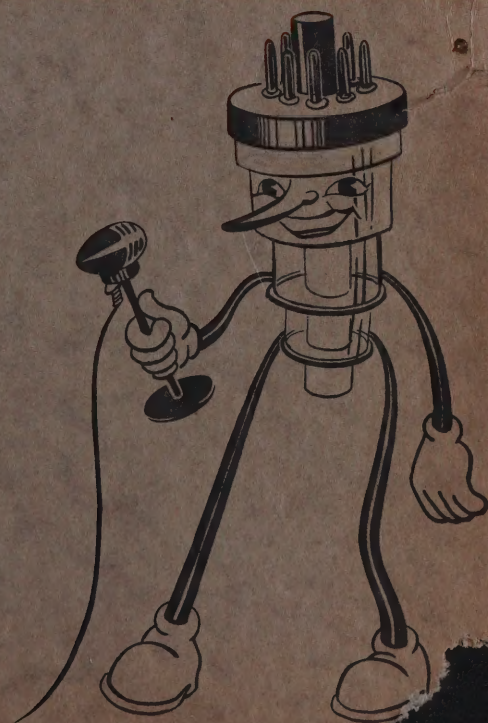


Binder

for G-E ELECTRONIC TUBE

HAM NEWS

Electronic Tubes of All Types for the Radio Amateur



GENERAL  ELECTRIC

● This handy two-pocket binder is arranged so that you may conveniently accumulate copies of "Ham News." With its two-pocket design, twelve or more copies of "Ham News" can be easily accommodated. This binder may be filed for future reference in your QST binder by means of the extra wire which is always furnished.

Dec 46

FORT WAYNE RADIO CLUB

Affiliated with A.R.R.L.

Vol I. No. 2

604 Barr

December 1, 1946

We were more than pleased to see so many fellows at the Nov. 15 meeting which was held in our new club rooms at 604 S. Barr. There were 34 chairs and all were occupied. Many long absent and new faces were present to hear Bill Dailey's talk on antennas which had to be continued until the December 6th meeting. So you will want to be present on this date to hear the rest of this highly interesting talk. Do don't forget the date and new location, 604 Barr St., above Pemberton Laboratories.

Changed schedule of talks:

Dec. 6 William Dailey, W9VSI

Continuation of Rotary Beam Antenna Discussion

Dec. 20 XYL and FWR Club Christmas Party at club rooms
7:30 P.M.

Jan. 3 Charles Richards, W9VBB

Talk on Oscillators, Buffers and Doublers

Jan. 17 Bud Severance, W9UUN, Receiver Construction

Feb. 7 Continuation of above program

Since July 4th is our regular meeting night and it being a holiday, the date for this meeting has been changed to July 11, at which time Bob Stone, W9JRR, will talk on "Radio As Used In Military Operation".

HOWARD HOUSE, recently of Fort Wayne and the club. now of Denver, Colo., has a call now - W0WFC.

FRED PEMBLETON was elected to Honorary Membership in the Fort Wayne Radio Club at the Nov. 15 meeting.

HAWAIIAN AMATEURS now can operate on c.w., 3625 to 4000 kc; on phone 3850 to 4000 kc.

CLYDE C. RICHELIEU, W9ARE, is the newly elected Director of the New Central Division. Our Alternate is Harold H. Jansen, W9DJG, of Alton, Ill.

KENNETH ALTAKRUSE, President of "Thrust Liners", a Model Airplane Club, indicates that he has a group of fellows to take our course of instructions for Radio Operator's Licenses. They wish to radio control their model planes and of course an amateur station and operator's license is imperative.

(con't. on back page)

XYL CLUB NEWS

Our Club meets every second and fourth Fridays of the month at the Radio Club Rooms, 604 Barr. St.

Having just another meeting before the calendar year is ended, we of the XYL Club wish to extend an invitation to all the wives of the Fort Wayne Radio Club members to join our little group. The duties are few; we play cards, and help the boys in all the little ways that we can. For the coming year, we have a nice program outlined, and would like you to join us. Please fill out the little form below and send it to our secretary, Ruby Pembleton, 2155 Westbrook Drive, City. From this we shall contact you for the opening of our first meeting in the new year.

- - NOTICE - -

"Santa Claus Is Coming To Town"

Our first get together will be --

Where -- Radio Club Rooms, 604 Barr St.

When -- December 20, 1946

Eats -- For everyone, potluck

Everyone is requested to bring a dollar (\$1.00) gift. Wrap it in Christmas colors, green for a man's gift and red for a lady's gift. We are requesting each of the women to bring a covered dish of your own choosing. Please bring table service for you and your husband, and plenty of sandwiches. Coffee will be furnished.

There are a few OMs that are not married so we must provide for them. If possible, bring along an extra table service and enough food for one more person. In this way all will be served.

Be sure and set December 20th aside for both clubs are planning on this grand affair. We have persuaded "SANTA" to leave a tree for us. It will be nice seeing you there. Will you come? If so, please call one of the following persons: Nerine Harnishfeger, H-55713; Thelma Jones, H-20485; or Esther Davis, E-1554.

Esther Davis, President

Name _____

Address _____

Phone _____

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JANUARY 1st.

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—VOLT METERS—

Simpson model	260
Tripplett "	666H
Weston "	779
Weston "	665

VACUUM TUBE VOLTMETERS

Voltohmyst model	100
Supreme	565
Sylvania	134
McMurdo Silver	900

OSCILLATORS

Electrical-----

--Instrument model 200

Crystaliner	"	101
-------------	---	-----

Pembleton Laboratories

Fort Wayne, 2, Ind

AMERICAN PHENOLIC

1000 Watt 750 Ohm

Transmission Wire

\$7.00 Per Hundred

AMATEUR SPECIAL

Quantity Limited

Crystal Microphone

—and stand—

—12Ft of cable—\$7.50

Pembleton Laboratories

236 E. Columbia St.

FORT WAYNE, 2, IND.

SWAP COLUMN

FOR SALE OR TRADE--Complete transmitter; 6L6 osc.. T-20 buffer, T-40's final. Modulator, TZ-40's. 2 power supplies using 866's. Also Taylor HD 203A, 2 RCA 811's, 2 - 220-V Pri. 5-V Sec. 25A filament transformers (use on 110-V and good for 866 filament transformer. WANTED--TBY 28-80 MC. transceiver, complete, B.C. 221 frequency meter, filament transformer with 2 5-V windings 8A and one 5-V winding 16A, 115-V Pri. 10,000 volt insulation, Telrod secondary frequency standard 1000 kc, 100 kc. W9IDZ, C. A. McKay, 2315 Springfield E-2670.

FOR SALE Hallicrafter's S-20R with built-in S-meter and 6-in. speaker. Richard E. Guettler, 904 N. Lafountain, Huntington, Ind.

SELL OR TRADE Signal Corps Radio Transmitter BC-375-E, unused. Purchased from Pembleton for \$49.50. Will sell for same price or trade for a good small portable freq. range 1500 to 12500 kc and 200 to 500 kc. Call A-16011 and ask for Dick. W9SLA, Richard J. McNett, R.9

WESTERN ELECTRIC 242A tube (similar to RCA 211) for sale or swap. W9CLE, Ray Hupp, 2117 Brooklyn, A-50922.

WANTED Back issues of Radio, 1931 to 1942. Also back issues of QST before 1928. Have ham equipment for trade. Write or call for details. C.A. McKay, W9IDZ 2315 Springfield, Fort Wayne 3, Ind. A-2441 Ex.783, or E-2670.

FOR SALE Child's automobile, size 4 to 6 years, red like new, USED VERY LITTLE. Also, 2 used 6.00x16 tires still good tread. Call for price. Van Bowman, A-68301 Coldwater Road, W9FMJ.

DRAGON CHIMES (4 bars); 2 6.8-V -- 2-A filament transformers; Reed dog basket, 25" long, 17" wide, 9" high Wood camera tripod; walnut record cabinet, 28" high 24" wide, 15" deep, door on front, capacity 89-10" records and 89-12" records; 17"x13" black crackle chassis, has 2 sockets for 50 watt tube, front panel attached, 19"x12" idea for modulator; 2 50-W sockets; dressing table bench. C. A. McKay, 2315 Springfield, E-2670.

We are still looking for a name for our bulletin. Send or phone your suggestions to Bob Witte, 1318 Huestis Ave. Fort Wayne 6, Ind. Phone H-8884.

EFFECTIVE NOV. 2 -- The 40-meter band, 7000-7300 cw, and the 20-meter band, 14000 to 14400 kc cw, and 14200 to 14300 phone was authorized. 20-meter phone is for class-A only.

AL FRITZ, W9USU, is now working at a new job for General Electric in their Service Shop in Chicago. Best of luck, Al.

THE FCC INSPECTOR, V. L. Hoke of Chicago gave the license exam to the following on Nov. 7: E. K. Leitch, R. F. Long, G. J. Schmidt, W. F. Weaver, W.J. Knisely, R. E. Witte, F.E. Wolfe, C. Smith, M. Jones, F. L. Watrous, B. A. Milks, H. E. Norton, D.T. Meisel. (2 from Ohio). 15 in all.

WARD FOX is doing a fine job of sending code for the beginners. The first lesson was over W9CLF with Ward at the key, on November 20. The second lesson was over Ward's own station, W9ENB, on Nov. 25. Remember code lessons are on Monday and Wednesday, 7:30 to 8:15, frequency 27,260, from W9ENB. Let Ward know if you are receiving him. His phone is H-26301. Please do not call during lesson transmissions.

THE C. A. MCKAY'S and the Bob Sievers' were guests of the Van Bowmans' on Friday night Nov. 22, where movies of the West and slides of "Guam" were shown.

ARTHUR HUPP, W9JLT, spent the week-end of Nov. 23-24 with his parents, Mr. and Mrs. Ray Hupp, W9CLF.

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R. E. Witte W9PMT, Editor
Pembleton Laboratories
236 E. Columbia Ave.
Fort Wayne 2, Ind

Sec. 562 P. L. & R.

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Charles Kronmiller
1119 Nuttman
City 6

HAM SPLATTER

A Publication of the Fort Wayne Radio Club

January, 1947 Fort Wayne, Indiana

Vol. I. No. 3

W 9 Do you know what these letters mean? We hope
B J V that they will become well known in months and
years to come and that they will serve to let
the nation and perhaps the world know that the Fort
Wayne Radio Club is in there with all it has to offer.
For these letters are the call letters of the new sta-
tion license of the club which was received by Bud
Severance on Jan. 27. So all we need now is to put in
some man hours in setting up what we have available.

TRANSMITTER Through the generosity of Carl McKay, W9IDZ
DONATED! the Club now has a transmitter. The rig
consists of a 6L6 osc., T-20 buffer, T-40's
final, modulated with TZ-40's. There are two power sup-
plies using 866's. The rig was donated by Carl for the
Club to use until it could build a rig of its own. Ap-
plication has been made to FCC for a station license in
the name of Ralph (Bud) Severance, W9UUN. Thanks, Carl.
75& 10 On Saturday night, January 18 the new Fort
METER NETS Wayne Emergency Net was launched on 10 met-
ORGANIZED ers on a freq. of 29,300 kcs. Those on deck
for the first session were UUN, ODW, USU,
PWF, VKH, TBM, and PMT. This net is on nightly at
8:15 P. M. Anyone is free to join the net. On Sunday
morning, Jan. 19, a new Indiana 75 meter phone net was
started by George Graue, W9BKJ, with PMT, IDZ. CLF, FJT,
of Fort Wayne, PIQ of Garrett, and EGV of L gansport in
a round table that lasted for three hours. This net
is on each Sunday Morning at 10:00.

CONTEST At the January 3rd. meeting of the Club, George
WINNER Graue's, W9BKJ, suggested name of "Ham Splatter"
was selected as the winner in the recent con-
test for naming the Club's Bulletin. Congratulations,
George, and we hope the crystal which you won is as good
as your winning name.

YOU MISSED IT Those who missed the Christmas Party held jointly by the XYL and Fort Wayne Radio Clubs on December 20th at the Chamber of Commerce lost out on a very enjoyable evening of sociability and fun, which started off with a Potluck Supper with more than enough food to satisfy everyone. The evening's entertainment consisted of various contests dreamed up by Esther Davis and Carl McKay and for which prizes were awarded, followed by a Christmas Gift Exchange. Last on the program was the raffling off of a beautifully decorated and delicious home made cake baked by Mrs. Dave Bell of New Haven and it was won by Elmer Witte (W9PMT's dad.)

2-METER ACTIVITY At this writing five local hams have workable rigs on 2-meters: UDD, UCH, UKV, UUN, and LLIP/9. UDD says he got tired of bucking qrm on 75 phone so he got the guys interested in 2-meter work so he could carry on a decent qso. Anyone interested in this line is urged to join the boys. Fred says anytime testing is desired on this band just call one of the above and they will try to help you out.

RECENT F C C ORDERS Shortly after January 1st FCC waived the proof of operation until June 30, 1947. You may be hearing new types of calls in the very near future. FCC has run out of calls in the W8 and W9 call areas and are issuing calls with the prefix K.

PICK UPS Kronmiller, W9AMM, who was recently awarded the coveted Coffin award from General Electric Co. UDD swapped his new SX-42 for UUN's HQ-129X for a couple of weeks. (What's the matter, boys, still can't make up your minds who's got the best, huh? SWH is really working the DX on 80 c.w. He recently worked G5ZO, G6LI and a ZL. All he needs now for WAC is Africa and Asia. FJT has worked approximately 36 states on 75-meter phone with his 30 watts input. During the recent ice storm FMJ was cut off from communication with the city, but by periodic schedules with ENB and PMT he was able to pass along or receive desired information on 80 c.w. We are

C O N D E N S E R S

.001 to .02	600V	\$12.00	Per C
.03 to .05	600V	\$15.00	" "
.1 M F D	600V	\$18.00	" "
.25	"	600V	\$28.00 " "
.5	"	600V	\$36.00 " "
1	"	600V	\$45.00 " "

8-450...10 for 4.80 tubular
 8-8-450...10 for 8.00.. "

P H I L C O

Replacement Transformers
 700V 70MA two 6.3 Fil.
\$2.40

P H I L C O Bakelite

Replacement Cabinets
\$1.13 to \$3.60

P E M B L E T O N S

Fort Wayne Ind.

Microphone Stands

Desk type: \$1.35 to \$1.50

Floor Stands: \$5.75 to \$13.60

MICROPHONES

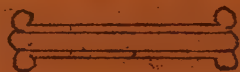
Crystal and Dynamic
from 6.60 to 60.00



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HAPPY AND PROSPEROUS

NEW YEAR



Pembleton Labs.

E-1812

Fort Wayne, Ind

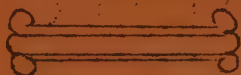
We have received
an assortment of
U.J.C. transformers

Supply Limited



1947 A.R.R.L. Handbooks
\$1.25

Universal choke and
coil winding machines
Will wind all types
of R F Chokes \$4.50



Pembleton Labs
E 1812

Fort Wayne, Ind.

"SPECIAL"

Jensen Speakers
12" Auditorium type
with Universal line
Transformer. \$21.90

S P E A K E R S

4" P M	\$2.25 to \$2.70
5" P M	\$2.50 to \$2.75
6" P M	\$3.13 to \$3.73
8" P M	\$4.75 to \$5.25
10" P M Heavy Duty	\$8.12
12" P M 15 Watt	\$11.00

P E M B L E T O N

LABORATORIES

Fort Wayne, Indiana.

E--1812

happy to report that Van - FMJ - has fully recovered from his recent operation and is back at work. New calls heard in town are as follows: 9PRO, Harold Norton; 9JYD Tony Schrieble; 9PTG, Clifford B. Smith; 8TZQ Mr. Mathews; 8WXH, Edward A. Driver; 9TNP, H. W. Beach; 9GPA, R. D. Thompson; 2PZO, Irving Landan; 4FTL, E. W. Palmer. PMT received his class A on Jan. 2. SBF is leaving town and going back to S. Dak. He also received his class A on Jan. 2

CODE & THEORY CLASS Once again a class in code and radio theory has been started and meets every Tuesday night beginning with Jan. 28, in the Club Room, 604 Barr St. Fuad Bonahoom, YQV, and Ward Fox, END, are in charge. A fee of \$2 will be made, \$1 of which will be refunded upon the successful completion of the course, and is a license is obtained the other dollar will be applied on the first year's membership in the Club.

XYL CLUB NEWS

The XYL Club met in their Club Rooms on Friday the 10th. The hostess for the evening was Mrs. Fred Haneline who served a very pretty salad with all the extras.

At this time we accepted two new members into our club: Mrs. Jean Richards, and Mrs. Carrye Bowman. We still welcome other women.

The hostess for the next meeting will be Mrs. Ray Habig, on Jan. 25th, at the Club Rooms.

Nomination for officers was held at the last meeting, and at the next regular meeting we shall elect the officers for the coming year.

The boys of the Radio Club are going to have a Valentine Party for us. That really means no work whatsoever for us. Eats, prizes and Valentines, I understand. We shall make our comments after Feb. 14th. That's the date you know.

Six girls (can we call ourselves that?) were able to attend the Sonie Heinie Review in Chicago on Jan. 11. Everyone had a wonderful time and are really thinking of going on more of these excursions. Wonder if the OM will object?

SWAP COLUMN

FOR SALE--Dress Form, small size, \$10. Mrs. Fuad Bonhoom--H-64022.

FOR SALE--Room Heater \$15. Davis Radio Shop--E-1554.

FASHION FROCKS--all sizes. Mrs. Glenn Harnishfeger--H-55713.

FOR SALE--10-meter converter using 1852 and 6K8; Collins Receiver and BC-348 Receiver. Hap Norton, W9PRO, 1109 Chute St.--A-26004.

FOR SALE--Hallicrafter's S-39 Portable Receiver, brand new, covers from 550 to 10 meters, \$80.00. Cinemaster double 8 movie camera, F-1.9 and F-3.5 telephoto lens with case, both lenses full focusing, \$100, like new. Enlarger, double condenser, covers up to $2\frac{1}{4} \times 3\frac{1}{4}$, with lens and shutter, \$45. Frank Bodine, 2318 Beacon St., A-68710. W4JYZ.

WANTED TO BUY--B-19 Tank Transmitter. Bob Lighthill, 4530 Monroe--H-90614.

FOR SALE--Boxed Stationery, Ripple, Linen, and Vellum Paper, 75¢ and 85¢ per box. Greeting Cards and boxed Gift Wrapping Paper, \$1, per box. Bob Witte, 1318 Huestis Ave.--H-8884.

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— HAM —

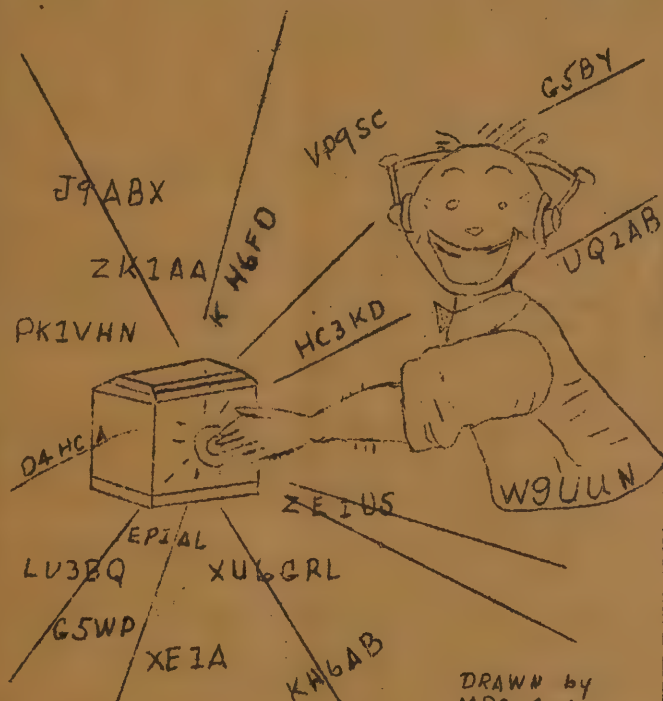
— SPLATTER —

Publication of Fort Wayne
Radio Club

Vol. I

W9RJY

No. IV



DRAWN by
MRS. C.A.
McKay
3-1-47

— DX Contest —

WHAT ABOUT OUR FREQUENCIES ?

by C. A. McKay, W9IDZ

President Fort Wayne Radio Club

Many of you have read the article "It Seems To Us" on page 13 of Feb. QST, and "Zero Bias" on page 11 of Radio on the coming *Congerence. In light of these articles, can we maintain our present frequency assignments; and, even more, can we obtain new frequencies so badly needed and get the return of our 160-meter band?

Let us review our status between 1928 and now. Since 1928 we have lost approximately 4000 kc. of amateur frequencies below 60 mc. The ham fraternity has increased in number approximately 200%. The question is: where are we going to operate without the terrific interference we have now on our present frequency assignments? Should we allow the participants in the * Conference to take operating frequencies from us? Must we reduce power?

If you do not want to do the above things and do wish to continue to operate on the present ham frequencies, and have a reason to prove that we need more frequencies do the following:

1. Write your ARRL Director.
2. Write ARRL
3. Write your Representative and Congressman
4th Dist. Rep. George W. Gillie,
1532 House Office Bldg. Washington, D. C.
Congressmen:
Homer Capehart) Senate Office Bldg.
William Jenner) Washington, D. C.
4. Write General George C. Marshall, Secretary of state, Washington, D. C.
5. Write The FCC, Washington, D. C.
6. Give the problem publicity on all ham bands.

When writing, make your letters short and to the point. Indicate the need for Amateur Radio in such time as National Emergencies, during dissasters, and as a beneficial hobby. Whatever you do don't forget to write to all concerned. Let us continue to operate on our ham bands. (Con't, on page 11)

* To be held in Atlantic City, N.J.

ATTENTION ALL RADIO AMATEURS

If you are an amateur, you should be interested in amateur affairs. Therefore be sure to be at the meeting to be held at 8:00 P.M. Friday March 21st at the Chamber of Commerce in Fort Wayne, Indiana.

Mr. Clyde C. Richelieu, our Director for the Central Division, will meet with us for an open forum on amateur activities. Come to find what is going on and also to express your opinion on what has been done and what you think should be done. Remember, your director can only represent you if he knows your wishes.

The regular meeting of the ARRL Board is scheduled for May 9th, the second Friday in May. Your director desires to represent you at this meeting. Don't be one of the boys that always kicks about what is being done, yet still doesn't let any of the League Officials know his thoughts about the subject.

Also, don't forget the Worldwide Telecommunications Conference to consider revision of all radio allocation including amateur, is now scheduled to open May 15th. We must back our ARRL Board 100% and ask that they do everything possible immediately that can be done to further our cause at this conference.

This meeting is sponsored by the Fort Wayne Radio Club and all amateurs in this part of Indiana are invited and urged to attend. The meeting is being held at the Chamber of Commerce instead of our regular club rooms so that there will be plenty of seats for all who wish to attend.

A special meeting of the Board of Directors has been called for March 14th. A first hand report of this meeting will be given.

VAS YOU If not, you certainly missed another one of
DERE those grand time of fun and chatter. The occa-
CHARLES sion was the Valentine Party which the Fort
Wayne Radio Club gave for the XYL Club. Thirty
six OMs and XYLS attended and took part in Bunco, B.L.,
and Combinations -- the later being one of Carl McKay's
nightmares, but an interesting one though--and a couple
of word games to test one's intelligence. Prizes which
were awarded for the highest scores consisted of a hot
tie and a heart-shaped box of candy and were won by Dick
Cook, W9NAH, and Mrs. Carl McKay, W9IDZ's wife, respect-
ively. For refreshments there was heart - shaped cakes
and heart-centered ice cream. We were glad to welcome as
newcomers Mr. and Mrs. Vinton (Buff) Buffenbarger, W6PSC
and Mr. and Mrs. E. W. Palmer, W4FTL. Look for more par-
ties like this, folks.

THANKS The Fort Wayne Radio Club wishes to openly and
FRED sincerely thank Fred Pambleton for his kind and
deeply appreciated consideration in building a
fire in the club room and having it warm whenever the
rooms are to be used. Fred has been doing this on his
initiative and we say "thanks sincerely, Fred."

OUR Please note our new cover design and the name of
COVER the designer. We wish to thank Mrs. Carl McKay
for appropriate sketch. Our plans are to have
a different cover design for each issue of Ham Splatter
and if any of you have any ideas put them down on paper
and submit them for approval. You do not need to be an
artist of famed repute. Contact the editor with your
suggestions.

CLUB A meeting of the Housing Committee was held
TRANSMITTER Tuesday night, March 4 at Carl McKay's home
PLANS for the purpose of furthering plans for the
club transmitter. This committee consists
of Carl McKay, W9IDZ, Van Bowman, W9FMJ, Ray Hupp, W9CIF
and Bud Severance, W9UUN. They discussed plans for the
transmitter room and rack. Help will be needed in build-
ing the room and setting up the rig. So if you can be of
service call Van Bowman, A-68301.

— CONDENSERS —

8 MFD	450V	Tubular-10 for-	4.50
" "	"	Cardboard" "	4.80
20 MFD	150V	Tubular-10-for-	5.10
10 - 20	"	" "	8.00

Sams Engineering
Service

1-14	.	1.50
1-10	Bound Volume	18.00

Pembleton Lab
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Fort Wayne, Ind.

CODE & We talked to Ward Fox the other night about the
THEORY progress of the code and theory class and he
CLASS says the good progress is being made. Attendance
is holding up very satisfactorily, but that more
are entirely welcomed to join the class. A fee of \$2 is
asked from each student, \$1 of which will be refunded if
the course is completed satisfactorily, and if a ham
license is obtained by the student the other \$1 will be
applied on a year's membership in the Fort Wayne Radio
Club if an OM, or in the XYL Club if a YL or XYL. Yes,
there are some ladies in the class which should give en-
couragement to other members of the fair sex to join the
class. Keep up the good work, Ward, and Santa will put
an extra wat in your antenna.

WHAT'S How's this for DX? 23 countries in one evening
DOING worked by BQE on 20 meters. PTG has some DX to
his credit on 40 cw. Haiti, Cuba and Greenland.
Bkj, ol' grandpa Graue, says he had an 8-night sked with
a station in Colorado consecutively on 75 meter fone.
We've been wondering who YNC is and what his qth happens
to be. He's heard occasionally on 10 meters. NUU is also
unknown. Anyone having information concerning these two
calls please call Bob Witte H-8884 or Carl McKay, E-2670
Other reported new calls in town are W8WXC, Dick Full-
ton, Ind. Tech.; W9HQO, Don Meyer (qth unknown); W9NZJ,
Dale Petty, Warren Radio; W8IU, Owen W. Barton, 1609 W.
Third St.

PROGRAM Due to the appearance of Clyde Richelieu, W9AH
CHANGES at the March 21 meeting of the club, H. I.
Becher's talk on Cathode Ray Oscilloscopes and
Modulators has been postponed until July 18. Bob Stone's
W9JRR, topic for the July 11th meeting has been changed
to "The Bel and One Tenth of Same". On April 18th, Hil-
liard Gates, from WOWO, will give his experiences as a
Radio Sports Announcer.

JUST Imagine it, fellows, W9NAH, Dick Cook, received
ARRIVED his class "A" ticket in Monday's, March 10,
mail, To celebrate, he and XYL devoured a whole
box of candy while qsoing with W9PMT that night.

1947 ARRL

Handbook 1.25

Radi Handbooks 2.00

Carbon Tet. 40

" " Gallon 2.10

5" Dumont 5" Scope 115.50

2" " 2" " 99.50

42 X Hallicrafter 275.00

.....



Pemberton Labs

E-1812

Fort Wayne, Indiana

HAVE-- 1 3000-Volt center tap, 500 mil. transformer; 1 450 mil swinging choke; a 4mmf.-300-Volt filter condenser; 1 Thordarson 125-watt multi-match modulation transformer. NEED-- 1 1875-0-1875 volt, 300 mil. transformer; 2 150mmfd. .171 variable single-section condensers; 1 50-70 mmfd. .171 variable single section condenser. --Joe E. Whisnant, 2221 Wells St. A-50111.

SELL OR TRADE-- Bendix Oscilloscope, Model 160. Contains built-in wobblator for receiver alignment. Magnifying lens gives 5-inch calibrated picture. Tube mounts on a swivel turret so picture is visible from all angles. Has sloping front control panel. Instruction book included. List price \$185. Will sacrifice for \$65 or will trade. Bill Dailey, W9VSI, 2416 Webster. H-66275.

WANTED-- G. E. Ham News (Sept. & Oct., Vol I No. 3) to complete my file. Also pre-war Ham Tips, Vol.III., Nos. 3, 4, 5, 6, and Vol. IV. Nos. 3, 4, 5, 6. C. A. McKay 2315 Springfield Ave., W9IDZ, E-2670 or A-2441 Ext. 783.

WILL SWAP-- 2 Valpey crystals, Freq. 3612 and 3696 for 20 or 40 meter crystals. Clifford Smith R.R. 7, W9PTG.

WILL SWAP-- Power or modulator transformer for good small size camera. Fred Haneline, W9UDD, 515 E. State A-78822.

FOR SALE-- One Weston, Model 697 VOM pocket meter 5 9/16 3 3/4 x 3 9/16; AC-DC Volts 0-7.5-15-150-750; DC Ma. 0-7.5-75; Ohms 5,000-500,000. Catalog price \$29.04. First \$10.00 takes it. Cliff Hardwick, W9IOL, A-60622.

X Y L C L U B N E W S

The regular meeting was held Friday night, February 28 and the next meeting will be on Friday, March 14, in the Club room, 604 Barr St.

The ladies of the X Y L Club wish to thank the members of the Fort Wayne Radio Club for the very nice Valentine's Party. They enjoyed it so much and hope many more such parties and get-togethers will be held in the future.

~~~~~ Record Changers ~~~~~

|         |     |       |
|---------|-----|-------|
| Webster | #55 | 23.45 |
|         | 56  | 27.20 |
|         | 60  | 35.10 |
|         | 70  | 37.20 |

-----

~~~~~ Amplifiers ~~~~~

8 to 75 Watts. \$27.42 to 99.00

~~~~~ PM  
Speakers ~~~~~

4" to 15" in stock 22.50 to 39.00

-----

~~~~~ Volume Controls ~~~~~

| | | |
|-------------|--------|------|
| With switch | 10 for | 7.50 |
| Tapped | " " " | 7.50 |

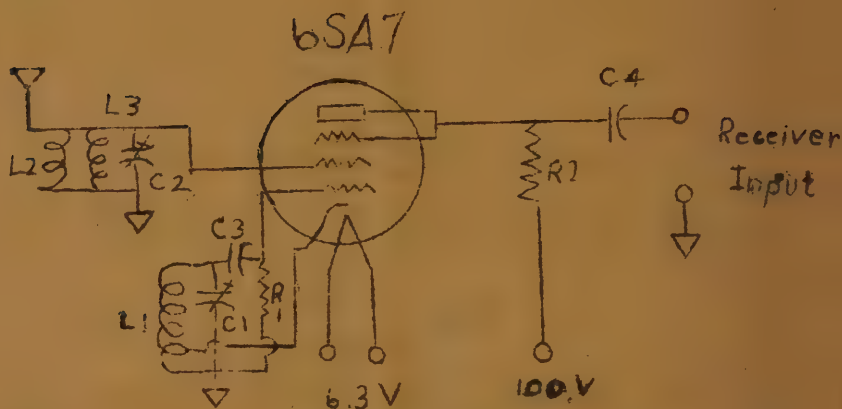
4 Prong Vibrators 10 for 18.90

~~~~~ H ~~~~~

Pembleton Labs  
Fort Wayne, Ind.



# Converter For Use with C 31, 342, 34 etc.



$C_1$  plus  $L_1$  = 3000 kc. For 1550 to 550, Tune on 3000-5000 kc. band on recvr.  
16000 kc, For 27 mc - 30 mc, Tune on 11 - 14 mc.

$L_2$ ,  $L_3$ ,  $C_2$  = Tune to 27 - 30 mc band  
For broadcast band use untuned commercial broadcast coil.

$C_3$  = 100 mmfd       $C_4$  = 50 to 100 mmfd.

$R_1$ ,  $R_2$  \* 15000 ohm

Drawn by C.A. McKay

W9IDZ 3-1-47

REPORTED W9END, Ward Fox's dad is in Billings Veterans  
ILLNESSES Administration Hospital in Indianapolis for  
observation and treatment. W9UDD's wife, Mrs.  
Ed Haneline is recovering nicely from an operation  
performed in Ann Arbor. She returned home Friday, Feb.  
28. W9UKV, Maynard Faith's son was hospitalized for an  
infected ear. We sincerely hope these folk will soon be  
back to normal again.

(Continued from page 2)

Remember to be at the Chamber of Commerce, cor. Wayne  
and Ewing Sts. at 8 P. M., March 21 to hear the Central  
Div. Director W9ARE, Clyde Richeleau talk on the coming  
\* Conference in May. Also, listen on 3985 to "The  
Short Winded Club" every Thursday, 9:30 P. M. They will  
discuss this same problem. W9ING at Oakpark, Ill. is the  
club's control station.

---

WHAT ABOUT THE CLASS "D" LICENSE? by C.A. McKay, W9IDZ

There is a proposal to make available an additional  
class of amateur license without examination in the  
telegraphic code. This license would be good only on the  
Micro-waves or frequencies above 1215 mc. For want of a  
better designation it has been called a class "D" li-  
cense. Here is the justification for such a license:

Regular amateurs, particularly the older pre-war  
hams are making relatively little use of the frequency  
allocations above 1000 mc. There are people, however,  
who are not interested in amateur radio from the com-  
munications angle but purely in experimentation. These  
high frequencies take a peculiar talent and different  
technique than that of the standard wave spectrum. Cw.  
is very seldom used except as A-2 transmissions, but  
99.99% is voice or A-3 transmission. Therefore the need  
of a code exam is unnecessary and could be replaced by  
an examination in high frequency theory.

Let us examine the proposal for discussion:

1. The proposed class "D" license would authorize  
operation only on frequencies above 1215 mc.

(continued on next page)

\* To be held in Atlantic City, N.J.

2. Examination for it would be the same as the present class "B" or "C" license except for omission of code test and the addition of a special portion on Micro-wave theory.
3. Stations of class "D" licensees would have a distinctive type of call.
4. Class "D" licensees would be entitled to all ARRL privileges given class A B, and C hams.

What do you think of the class "D" license? Have you sent in th card to ARRL on page 32 of March QST? Have you written your director, giving your views on the situation so he can represent you at the ARRL Directors' Meeting? Why not do these things now?

73s es 40  
W9IDZ

Return postage guaranteed  
R. E. Witte, W9PMT, Editor  
Pembleton Laboratories  
236 E. Columbia Ave.  
Fort Wayne 2, Ind.

Sec. 562 P. L. & R.

Postmaster:  
If Addressee has  
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sender on FORM 3547.  
Postage for notice  
guaranteed.

*Charles Kronmiller*  
*1119 Nuttman*  
*city 6*



# HAM SPLATTER

Published By  
Fort Wayne, Radio Club

\*\* W9RJY \*\*

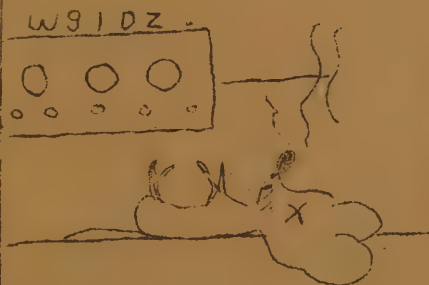
Vol. II

No. IV

## "The Tail" of a Certain Ham's Mascot



Why, He EVEN  
Left A CHASER  
FOR ME!



XX.

THE END !

Amateur radio news from the  
AMERICAN RADIO RELAY LEAGUE  
West Hartford, Connecticut

For release in connection with National Radio Week

Amateur radio operators in this city are joining with other units of the communications world in celebrating National Radio Week.

The nation's largest radio service licensed by the Federal Communications Commission. 75,000 strong, "Hams" feel a fatherly interest in the radio art. In the beginning, every "wireless" experimenter was a amateur -- Marconi himself was proud to be called one. And so, from the very earliest days of the art, radio amateurs have been pioneers.

But when an amateur made an important technical discovery through his incessant experimentation, he often stepped across the boundry into professionalism. It was an amateur, for example, whose idea started the broadcast listening craze which developed into today's billion-dollar radio entertainment and public-service industry. On November 2, 1920, Dr. Frank Conrad began transmitting musical programs from his amateur station W8XK in Pittsburgh, and for the first time persons who were not amateurs purchased radio receivers to listen in.

Now, "hams" have turned their energies to new fields--providing emergency communications service in time of disaster, handling personal messages between American servicemen overseas and their families and friends back home, affiliating with the Army and Navy communications reserves (25,000 amateurs served during the recent war), generating new ideas for major or minor improvements in radio techniques, making lasting friendships with other short-wave enthusiasts around the world, delving into the frontiers of radio -- the microwaves.

A R R L      Your attention is called to the 14th annual  
SWEEPSTAKES      Sweepstakes or "SS" contest sponsored by  
CONTEST      ARRL. It begins Nov. 15, running through to  
                 the 17, with a second session on the 22-24.

For added information see QST for October, page 47.

WHAT'S THE 29306 net was called to order by NCS Hap  
THE Norton W9PRO promptly at 9:00 P.M. 10/22/47. Bus--  
NAME iness of the new club was (1) select a time for  
the net to meet regularly and (2) select a name  
for the net to be recorded with ARRL.

Starting we had a list of: Butterfly net (The old stand  
by name), Hoosier Horse Thief net, Horse Troders net,  
Fort Wayne network, and Fish net.

At 10:00 p.m. we balloted over the air and we had a  
name of "Fort Wayne Network." It seems that there were  
quite a few 10 meters boys listening as couriers and  
phone calls came in but quick with objections. Consequen-  
tly, a recount was made and at 11:58 P. M. the name was  
again the "Butterfly Net." Oh! what a turmoil 10 was for  
a time.

NOTE: Official and Final

Butterfly Net Every Wed. 9:00 P.M. CST on 29306  
KC. Harold Norton W9PRO

ATLANTIC CITY The world radio conference has been concluded  
and QST is carrying a full report of allocations  
and other matters. 1,000 persons labored  
four months, overall costs estimated at twelve million  
dollars. The whole U. S. delegation put up a great battle  
for us. Final approval of the new allocations table came  
on September 24th, without further changes from the data  
bulletined from WIAW. The frequency assignments for USA  
and Canadian amateurs, effective about September of 1949  
are as follows: 2500 to 4000 kc. available under regional  
agreement, 7000 to 7300 kc., 14000 to 14350 kc., 21000 to  
21450 kc. (a new exclusive band), 26960 to 27230 kc.  
shared with ISM, 28000 - 29700 kc., 50 to 54 mc., 144 to  
148 mc. and higher allocations to 10500 mc. as per pres-  
ent assignments except for a slight widening of one mic-  
rowave band. The frequencies above 27.5 mc. may be effec-  
tive for use under the new table by Jan. 1, 1949, but all  
the lower frequencies allocated are dependent on adoption  
of a new registration list of fixed and broadcasting sta-  
tion frequencies requiring extensive engineering studies  
by an 11-man Board and collaboration between nations.



"Lotsa Bargains!"



## SPEAKER BARGAINS

|        |         |        |
|--------|---------|--------|
| 8" PM  | 10 WATT | \$4.00 |
| 12" PM | 12 "    | 5.00   |
| 12" PM | 15 "    | 7.50   |
| 12" PM | 20 "    | 10.00  |

## ELECTROLYTIC CONDENSER BARGAINS

|              |                  |     |
|--------------|------------------|-----|
| 20-20-20 MFD | 150 V. TUBULAR   | .90 |
| 20-40        | " 150 V. "       | .92 |
| 30-30-20     | " 150 V. "       | .95 |
| 20           | " 150 "          | .50 |
| 10-20        | " 150 "          | .65 |
| 8 MFD 5g     | CARDBOARD 475 V. | .50 |

PEMBLETON LABORATORIES  
FORT WAYNE, IND

INDIANA COUNCIL NEWS Has your club endorsed the formation of the Indiana Council of Radio Clubs? Each one of us as individuals, and each radio club and Amateur organization, in the state has an interest in the Indiana Council. The object of this council is; (a) To lend aid in development and organization of Amateur Radio Clubs in the state of Indiana along progressive lines; (b) To promote friendly co-operation between the various clubs; (c) To take general interest in all matters and problems affecting or involving Amateur Radio and take appropriate action; (d) To provide a means through which members of affiliated clubs may present a unified front.

The Indiana Council is still in an embryonic state. Your club is being asked to participate and show interest in the organization of this body at once. If you have not already done so you will want to communicate with W9MVZ who is temporary Chairman, and whose address is 3900 West 10th Street Gary, Indiana. Telephone 28468.

A number of clubs have already selected delegates who have been serving on a planning committee. It is important that your club act now to either endorse or reject this proposition for an Indiana Council. A suitable Constitution and By-Laws will be submitted for your approval.

W9FMI

A PLUG FOR THE HAM In connection with National Radio Week, Amateur radio will be given a boost before the general public when a program featuring the activities of amateur radio will be aired over WOWO at 9 P.M. on November 1st. Those participating in this special broadcast include the following members of the Fort Wayne Radio Club: Charles Krommiller, W9UC; Carl A. McKay, W9IDZ; Ray Hupp, W9CLF; Bob Stone, W9JRR; Bob Sievers, W9FJT.

Future programs of this nature are anticipated and your response to this first broadcast will serve as a barometer in such plans. Comments should be made by word or letter to Art Lewis. c/o WOWO.

---- 0 ----

We hear that the antenna and power line projects have been completed in the club rooms.



DUCK IN

AND SEE OUR

## HAM SPECIALS

807 TUBES

\$1.35

McMURDO SILVER FREQUENCY

METER WITH 7 COILS

\$7.00

PEMBLETON-LABORATORIES  
FORT WAYNE, IND.

E-1812



Contest

Contest

(Worked Fort Wayne)

Object: Create friendship and stimulate activity  
on the amateur bands.

I. CONTEST RULES:

1. Any Amateur is Eligible for contest.
2. Contest starts Nov. 29th. at 12:01 A.M. CST.
3. Contest close (To be announced later)
4. 3 Prizes plus WFW Certificates.
5. Judges will be appointed by Club President.
6. Decision of Judges will be final.
7. In case of tie duplicate awards will be made.
8. Logs will not retroactive.
9. No prearranged or cross band contacts allowed.
10. The last 50th contact of the Winner will receive a prize (Low man on the Totem Pole)
11. Only New Haven & Waynedale are considered part of Ft. Wayne area for the contest. Scheduled net contacts are not acceptable.

II. QUALIFICATIONS:

1. Contact 50 Fort Wayne hams and report results to Harold Norton A-79424 not later than 24hrs. after your last contact.
  - (a) 5 contact of the above must be on CW and 5 on phone.
2. QSL verification of contacts is preferred but the station log with the following information will be accepted in lieu of QSL cards.
  - a. Call of Station worked.
  - b. Frequency of station worked.
  - c. Time on; Time off, and date.
  - d. Name and street address of station worked.
  - e. Power of station worked.
  - f. Signal strength reports.
3. A list must be presented to the judges listing all stations worked by call and date to be used to check against QSL cards or log.

4. For all contacts over 50 an advancement strike will be issued to be affixed to your certificate. These stickers will be for additional increments of each 10 stations worked.
5. The "WFW" contest is of a standing nature and does not close on the awarding of the prizes.
6. Lets all pitch in and make this a real contest.

Norton W9PRO & McKay W9IDZ

SEVEN STATES Some of those contemplating 2-meter work ON 2 METERS! will be interested and probably envious of the results Paul Leiendecker, W9UCH, is obtaining on this band. Paul's line-up is as follows: transmitter, 6AG7 crystal tri-tet doubler, 6AG7 push-pull tripler, 832 driving and 829 final with 75 watts input. Receiver is a 6AK5 r.f., 6AK5 converter, 6C4 osc. into 3 stages 10.7 mc. i.f. Antenna is a 3 driven element beam approximately 25 feet high.

Paul says he make about 15 or 20 contacts a week and to date has besides Indiana the following states to his credit: W8WJC, Ohio, W8CVQ Michigan, W9WOK Illinois, W9PYM Wisconsin, W3QKI Pennsylvania and W2ITW New York. According to the records he needs only one more state to tie the record of eight states. Fb. Paul.

NEW Since the last publication of "Ham Splatter" there CALLS have been several new calls issued. We know there are more than we have record of, but the known calls are: W9ARU, Richard Byler; W9AQO George Fann; W9BVD Russell Markwith; W9BSD, Bruce D. Roger; W9BRW, Robert Rose; W9IZF, Robert Thompson; W9ASC, Arthur Sterling; W9ZXB, Calvin McNutt; W9NFZ, John Dietrich; W9CZR, W. A. Conley; W9ARQ, Paul Bond.

There are more, we know, but we have no record of them. It would be greatly appreciated if any information concerning new calls would be reported to either Carl McKay, E-2670 or Bob Witte, H-8884. A new list of local hams is being prepared and will be ready for distribution shortly.

Thayer, ex W8HYC, who by the way is one of the leading DX men in these parts is now sporting a new call, 9ANT, dit dah dah dit dah, should sound good on 20. 9AAI is back with his pre-war kw. The 10 meter locals are still having their evening rag chews, and with a few new members in the club, one new one is 9ARQ. Bill Bond, here's a new contender for 9PRO, president of 10 fone, hello Hap.

Ward, 9ENB is back with us after a short stay in the vets hospital, Indianapolis, welcome back Ward. If there are any good cooks around who knows of a new soup Ted Clifton will gladly accept he's tried em all this summer.. The auction rates four bells and not only a lot of good bargains were on hand but some new faces as well, the club didn't do too bad with their 10 per either.

A new radio club is being formed at Indiana Tech. And is doing FB, we attended the first meeting and a lot of good ideas were mentioned, good luck with the club fellows. The club station, 9RJY is coming along fine with Bud, 9UUN in charge of sky hook erecting and station trusteeship.

W9PMT is back on the air with a single 6L6 osc after about 3 month absence. He's getting the ol'rig rebuilt and hopes to have it back on the air in the not too far distant future. Other changes are being made with the addition of a new 80-meter center fed antenna and a new receiver--a BC342-R. Bob spent a very enjoyable vacation in California this last summer.

W9ARU and W9JLT are attending Purdue University this semester

RE'S HOW. Glenn Thayer, W9ANT, who used to run one KW IT'S DONE! input on Maumee Ave. has just moved to 907 Lincoln Ave. He now has 150 watts on the air with 30 watts to his final filaments at his new QTH. The first two days he was on 20 meters he worked WAC. Let's see some of you other fellows meet this fete.

OUR When it came to compiling the bulletin this time COVER it was discovered that the cover design we thought we had we didn't. After some hasty thinking we hit upon the idea of using Carl's experience with H F acid and the mouse tragedy. So we prevailed upon W9PMA'S xyl to do the drawing for us after giving her the details of the story via the telephone. Thanks a million, Marilyn.



## S W A P C O L U M N

NEEDED URGENTLY a three-bedroom house anywhere within a 25-mile radius of Fort Wayne, I do not wish to buy unless necessary. Anyone having information of such place please contact Bill Dailey, 2416 Webster, H-66215

FOR SALE the makings of a three hundred-watt fone-c. w. rig. The power supply which is nearly completed, consists of outputs of 1200 volts dc with sufficient current for both final and modulator. Low voltage supply rated at 500 volts-200ma. and 300 volts-100ma. Also 110 volt bias supply. These are all mounted on one chassis. R.F. section is also nearly completed and will use a 6L6 crystal osc. 807 buffer 811s final. Modulator has not been started but there is an input transformer and a 250 watt modulation transformer both new. Call Bob Witte H-8884 or Fred Haneline A-78822.

FOR SALE Christmas and every-day greeting cards and wrapping paper at 40¢, 65¢, 75¢ 85¢ and \$1.00 per box. Also boxed stationary at 75¢ and 85¢ per box. Call Bob Witte H-8884, 1318 Huestis Ave.

FOR SALE a new Hellicraftor Sky Ranger (Post War Model very hot on 10, due to ultra small tubes in R F, Conv, osc .) \$75.

FOR SALE BC348 Receiver-without power supply \$45.00. With power supply made especially for receiver \$60.00. See Mert Baird W9GZV.

FOR SALE Plate transformer, 1500-1500 volts at 350 mills with matching filter choke. One Thord, choke, 500-mills. 0-500 D. C. Milliameter, 0-15 volts, G.E. meter 0-4 R.R. Amp. meter, all brand new. Cliff Smith, W9 E-32665.

FOR SALE A Thordarson T-7506 Amplifier. Two mike, one phono input. New tubes and coupling condensers. Perfect condition ready to plug in. Was used as a modulator for 30+ watts at FJT for a year, but would also make a fine phono amplifier. Complete with instructions and circuit diagram. Best offer over \$10.-George Bertsche, Woodburn Indiana.

FOR SALE One Radio Xmitter, (Army Signal Corps - BC375) including tubes and units \$35.00. One Halli--crafter S-40 Receiver-used very little--purchased last yr. \$65.00 One Viborplex Delux Bug (navy finish) works on jewel \$10. One 16 mm motion picture projector (make a nice toy) \$10.00. Phone H-82104 -- between 05.00 and 0530 week days of write Richard J. McNett, 1745 Hale Ave.

NOTE: Hams using the SCR 274-N (BC696 BC457 BC458 BC459)transmitters with 12 or 24 volts AC for the filament voltage are wondering why the calibration circuit does not function properly. The calibration indicator to (1629) normally obtains fixed cathode bias from 24 volt. DC source by means of bleeder circuit. By removing the two resistors in the cathode circuit and inserting a 2500 ohm resistor between the 1629 cathode and ground the circuit will function properly.

When the transmitter is tuned chrystal frequency a shadow angle is greatest always be sure to Tune the transmitter to the lowest frequency to which the chrystal will respond. Spurious resonant indications will often be found at frequency higher than the chrystal frequency.

C. A. McKay  
W9IDZ

HE LIFTED As is generally known in local ham circles,  
THE LID the Cliftons have a new qth; they are again  
back in the Fort Wayne realm. Guess New Haven  
cat to rough for them. But the move was supposed to be a  
secret to one party in the above mentioned circle -- Van  
Bowman--until after Ted had time to get the ol' rig fired  
up. However the secret was revealed prematurely.

Seems as though Van always had difficulty in hearing Ted on 80 meters. Ted wanted to get on the air in the new location and surprise Van as he is now only about three miles north of Van's place on U.S. 27. But the bag was opened by Carl McKay and the cat escaped.

XYL There's not much to report this time due to the  
NEWS fact that the club's reporter, Esther Clifton, has  
been so occupied with moving problems. However,  
she does wish to mention the club's Hallowe'en Party  
held October 31st in the club rooms.

NOTHER W9PMA, Max Kimble, OM of our cover artist, is  
EW QTH so busy fixing up his new qth that he dosen't..  
have time to do any hamming. He's running into  
difficulty in obtaining cement for the basement. We hope  
ou will eventually get around to putting the rig back  
n the air in the not-too-distant future, Max.

ACK One of our old acquaintances, Howard House, who  
ITH GE worked for a while with the local General Elec-  
tric and then returned to his home town of Den-  
er, Col., sent Carl McKay word that he is now working  
or GE in Richland, Wash. on Nucleonic Project, electri-  
al design section for distribution. Howard's call is  
W9WFC and he says he is going for a class A ticket soon.

W9PMT wishes to thank Ward Fox, W9ENB, and Cliff  
cott, W9ZMC, for erecting his new 80-meter antenna for  
im. Of course he means the same thing for his dad who  
lso helped on the project. Now the next thing is to get  
rig on the air to see if it works.

----- 0 -----

### OR THE EXPERTS

You might go around saying Eve gave Adam an apple  
even though there were no apple trees in the Garden of  
eden. You may sing about the Blue Danube and wear Nile  
green, never once realizing that the Danube is muddy  
brown and the Nile is yellow.

Have you ever stopped to think how often you simply  
don't know what you're talking about? When your nose is  
stuffed you say you're talking through your nose--though  
a moment's thought would show that you are obviously  
speaking through your mouth. How many stars can you see  
with the naked eye? Did you say billions? Come, come,  
now, you must be thinking of the National Debt. The na-  
ked eye can't see more than 7000 heavenly bodies.

You probably also have the idea that Paul Revere  
rode alone on his ride--because Longfellow didn't say  
anything about Revere's companion when he wrote his fa-  
mous poem. It was the other chap who finished the ride  
alone after Paul was captured in route by the British.

Pike's Peak is not the highest in the land. There  
are 25 peaks higher than Pike's in Colorado alone.

WHAT'S W3 V2V/9 recieved his technicians Key in recognition of his services on the staff of the School paper for the Indiana Tech.

We are happy and glad to welcome back into our midst Carl Beghtel and family, W9GTL. The Beghtels lived in Indianapolis during the war and only recently returned to this locality. They are living in New Haven.

Some queer and weird sounds were heard on the Butterfly net about 9:00 on Oct. 15 several times without any form of modulation, one of the boys ask the station to identify its self. Much to everyones surprise, a very determined fist sent the call -W-9-U-D-D. Everyone was glad to hear Fred active again on ten, even if he did sign in with feed-Back.

It seems that W9PRO is a popular call with at least one other operator besides the one F.C.C. gave the call to. Its verified by several fellows on ten that a certain 400 watt station, noted for its fine broadcast quality, was heard signing PRO on the nite of Oct. 16. We won't mention any names, but EOY always sounded OK to us.

W9IDZ is trying to get a patent on a new type of rodent eradicator, mouse trap to you C-W men. One fine quality, not apparent ot some of us, is Carl's kindness to dumb animals. (Besides Ward Fox that is) Carl was very fond of a cute little gray mouse that shared the operating room with him. We hear that he even left candy on the operating table for his furry friend. A few days ago, Carl was using H F acid to etch xtals. He didn't put the acid away because he wanted to get started again the next morning. Next morning the little friend was found in the middle of the operating table with all feet pointed skyward. The mouse was not sleeping, as Carl first expected. It seems the rodent was thirsty after eating his nightly piece of candy. We extend our greatest sympathy at this dark hour.

The latest around "Summit City" is "Go Mobile Ten", present pushers of the preceeding phrase are, 9FMJ, IDZ and Fred Haneline. we won't mention Fred's call as he may not be a fellow ham at time of issue, it seems he has trouble remembering to renew things. But seriously fellows this mobile stuff could come in mighty handy in case of an emergency, and remember, "It can happen here."





SPEAKER  
REPAIR  
SERVICE

WE PICK THE  
GREMLINS OUT OF YOUR  
SPEAKERS

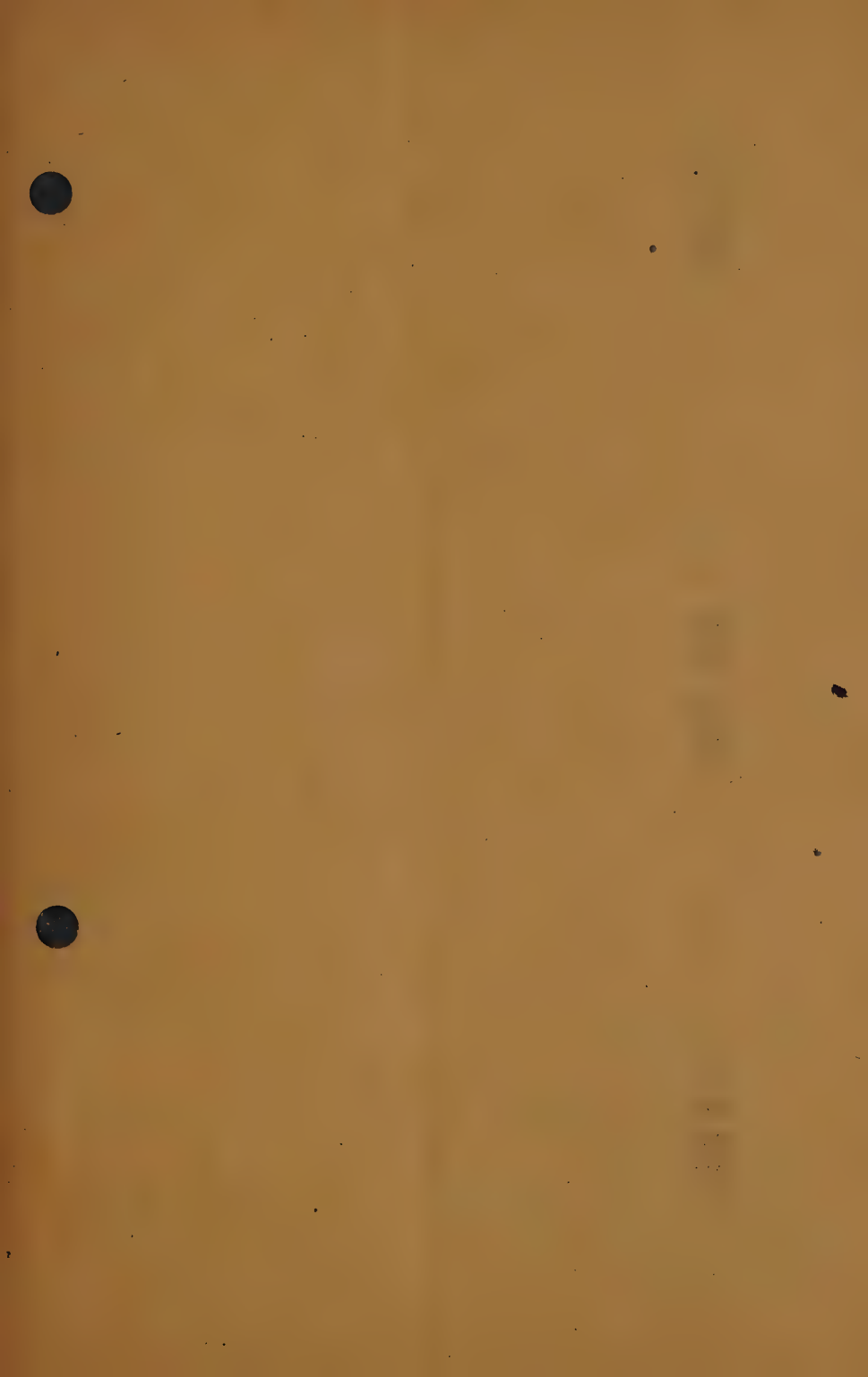
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Chas. Horn Miller  
1119 Matthews  
City 6



# HAM SPLATTER

Pub. by Ft. Wayne  
Radio Club

Vol. II

No. V

W9RJY

SOME  
HAM



"I THINK I'LL  
MARRY HIM...  
HE ACTUALLY  
NEEDS AN XYL'S  
TOUCH."

Drawn by:  
W9102  
4-7-41



## C O N F E R E N C E   R E P O R T     by C. A. McKay Pres.

This meeting of the Chicago Council of Radio Clubs was held at 32 W. Randolph St., Chicago, Ill. at 8 P. M. on March 31. The speaker was A. L. Budlong of West Hartford, Conn. from ARRL Headquarters, who spoke on the "Workings of Frequency Allocations Conference."

Mr. Budlong started in radio in 1917. During that period and particularly during the war he spent four years in Navy Allocation Work. He was enlisted in the Coast Guard during the war.

The Frequency Allocation Conference started in 1943 or four years ago. At that time IRAC, or Inter-department Radio Advisory Council, and not the FCC controlled radio activities. IRAC gathered information and released their allocation chart to a limited extent for frequencies up to 10,000 kc. This report was turned over to the State Department who signs treaties for the United States. Normally the State Department would call a conference of Industry and receive recommended modifications of the Madrid Conference. However, the State Department issued the IRAC report. At this point FCC called their meeting #66 in 1944 to discuss frequency allocations for various services. All Industry was invited to attend. Mr. Bailey and Mr. Warner represented the amateurs.

In the meantime FCC and IRAC met and came out with one joint plan.

In January, 1945, FCC issued frequency allocations above 25mc. Requested Industry argument and received quite a bit. The amateurs had no argument as they received all the frequencies they already had plus a few more. After the argument the FCC came out with the final plan in May of 1945 for frequencies above 25 mc. In the program we lost 29.7 to 30 mc for use by the medical and Industrial service. This was protested but to no avail. At this point a question was asked: Why not allow amateurs to share this service? Answer: The complete program of allocated frequencies must be sold as a whole. If foreign services see the amateurs are sharing service frequencies, they can say, why not do more and why do

they need more frequencies? To protect ourselves, we should not share frequencies in any way until after the 15th conference.

The preliminary work for a frequency allocations conference on an International scale is as follows: The main purpose is to revise the old existing plan by making suggested changes. Each interested country is requested to submit their allocation plan to Berne, Switzerland. These plans are published and distributed to all interested parties prior to a conference so everyone knows each others stand. Since this was a war year, and the last conference at Madrid selected Rome as the site for this conference, a preliminary conference was necessary. This was the purpose of the Moscow Conference. At Moscow, Atlantic City, New Jersey, was selected as the site for the Telecommunications Conference. Also, as a secondary measure all delegates sounded each other out as to their thoughts on various frequencies and their use. U. S. sent their proposal for allocation of frequencies to Berne on March 28, 1947, and other countries are to do likewise. Up to this writing no other countries' proposals have been received.

The conference itself is made up of representatives of some 30 countries. U. S. will send about 40 people. The delegation will probably be headed by Senator White, who will represent us. Most of the government agencies will send representatives also. ARRL can go to the convention in an advisory capacity under the convention rule. They cannot speak in general assembly nor vote. They only advise the U.S. delegation. Other Industry representatives can also go to the convention if they are certified. They advise our representatives in their particular field. Remember--no one-person vote; we vote as a government. We are at a convention to sell our whole program if possible. Concessions and arbitration is inevitable.

The conference meets first in a plenary conference where all delegates are present. Someone welcomes the group. At this meeting a chairman is selected and chairmen of various committees are appointed. Each committee is then broken down into a number of sub-committees who



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(con't. from page 3)

do detailed work. Each country that is interested in the work of each committee sees to it that they have representatives on these committees.

After about six weeks of work the sub-committees start returning their answers to their representative chairmen and finally the chairmen of the various committees suggest to the chairman of the whole conference that they are ready for another Plenary Session. This is then called. The complete program is written up and tied with a red ribbon and it's all over. Before adjournment, however, they pick the site for the next meeting to be held in about four or five years. All the delegates go home and start immediately working for the next conference.

As for the amateurs' stand at Atlantic City, the prospects are not too rosy. The spectrum is full, every service is after our frequencies. If we come out without losing any frequencies we will be lucky. A word of warning--keep all of our ham bands active. Even the frequencies above 25 mc. These are under constant surveillance by the other services. If they see we are not using them the FCC will be petitioned to allow them to use the frequencies. Let's do everything possible to maintain the frequencies we have.

\*\*\*\*\*

OUR We wonder why Carl McKay sits, behind a desk al-  
COVER most all the time when he can put his hands and  
mind to such works of art as this? But it is said  
at all hams are screwy. Nevertheless, it is a good  
pastime. We also wonder how the chap framed could get  
himself in such a predicament.

IRC & Plans are under consideration for a joint meet-  
FWRC ing of the Indianapolis and Fort Wayne Radio  
JOINT Clubs at a point equidistant from both points  
MEETING Sometime in May or June. We are waiting word  
from the Indianapolis Radio Club before setting  
a definite date. Yes, the YLS and XYLS are included in  
these plans. So watch for more information concerning  
this proposed outing and try to participate in it.



# AMPLIFIERS

10 Watt.....\$ 24.00

17 Watt.....\$ 36.15

25 Watt.....\$ 49.37

35 Watt.....\$ 59.08

50 Watt.....\$ 78.11

75 Watt.....\$ 97.00



Bell Recorders.....\$ 90.00

Meissner Recorders.....\$ 105.00



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236 E. Columbia ST.

Fort Wayne

Indiana

CQ FD CQ FD      CALLING ALL FIELD DAY OPERATORS

Every amateur is invited to participate in the coming 11th Annual A.R.R.L. Field Day on June 14th and 15th.

The Fort Wayne Radio Club will have the Club's transmitter, W9RJY, (Radio's Junior Yokel) operating on a 24-hour basis on Fone and CW and covering four bands. The portable location will be at the Children's Camp in Franke Park, Fort Wayne, Indiana.

There is no activity to compare to an Annual Field Day. Such events are dedicated to the advancement of radio readiness of the Amateur Fraternity, and to the opportunity which they afford for testing equipment and perfecting techniques.

In addition to the above, a club project such as this affords an opportunity to meet so many of the old time local amateurs who have not put in their appearance for so long.

We have gasoline-driven 500 and 1500 watt power services, and lesser ones. There is still a need for portable transmitters, with antennas, receivers, converters, etc. A number of good operators have already volunteered to stand a 4-hour watch and to furnish equipment. This shows the real amateur spirit. Where are all those good fone men? To date we have more volunteers for CW than for fone. There will also be transmitters on 6 and 2 meters.

If you have portable equipment, including receivers etc, please inform your EC, and if you can operate for one or more two or four hour watches please inform your Chief Operator. All operators within reach of Fort Wayne will want to drop in and work at least a few stations on short relief. There will be opportunities for all.

This is your one big opportunity of the season fellows, to sharpen up your skill and have fun doing it while in the presence of others from the Club. More later. 73s.

W9FMJ, Van Bowman

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Let's have more items of interest for the bulletin-- anything. Just call Bob Witte, H-8884.

|                        |                       |        |
|------------------------|-----------------------|--------|
| 50 <small>MMFD</small> | Variable Tuning Cond. | \$ .50 |
| 20 <small>MMFD</small> | " Midget "            | .20    |

### Super Sensitive Relays

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| 8000 <small>ohm</small> |              | .50 |
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### Mica Condensers

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| 1200v Test | Assort.              | 1.00 |
| 200        | Assorted Solder Lugs | .15  |

### Volume Control Wrenches .05

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| 25 W. 125 <small>ohm</small> | Resistors | .25 |
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|                               |           |     |
|-------------------------------|-----------|-----|
| 10 W. 6500 <small>ohm</small> | Resistors | .10 |
|-------------------------------|-----------|-----|

|                             |           |     |
|-----------------------------|-----------|-----|
| 15 W. 30 <small>ohm</small> | Resistors | .10 |
|-----------------------------|-----------|-----|

|        |             |     |
|--------|-------------|-----|
| 25 Ft. | Ground Wire | .10 |
|--------|-------------|-----|

|                  |        |      |
|------------------|--------|------|
| 2 1/4 Barr Knobs | 10 for | 1.00 |
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Fort Wayne, Ind.

On March 28 the members of the Club and their friends had the privilege of hearing Edward Chmielewski relate his harrowing experiences while in hiding during the Japanese occupation of the Philippine Islands. He told how he and a professor in a Philippine College set up radio equipment in the hills and was able to pass on and receive vital information to and from the outside world. At one time part of their headquarters was completely destroyed by fire at the hands of the Japanese who had located that part of their hideout. Knowing of the Japs' coming by warning of the natives, they were able to hurriedly dismantle most of the valuable equipment and remove it to another place of safety.

A surprise feature of this same meeting, which by the way was held at the Chamber of Commerce, was the showing of the A-Bomb tests on Bikini Atol. These pictures were shown with the aid and co-operation of Paul Moore, WQMQ.

\*\*\*\*\*

## XYL NEWS

Sprig has cub! At least the suggestion was there at our first XYL Meeting for April. Marion Leiendecker, as hostess, furnished lovely daffodils and pussy willows as table decorations.

Esther Davis was a busy gal this past week what with rushing a friend back from Arizona via air (both radio and plane).

Our Lillian Fousnough has been carefully weighing the merits of jeeps as pleasure cars (chauffeur provided of course.)

Olive Fritz has acquired a new son. Some of our group attended the wedding reception.

Garnet Bonahoom has been quite ill following a bout with the flu.

Carrie Bowman and family were among those early risers attending the Sunrise Services at Greenlawn Easter Sunday.

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Give to the American Cancer Society.



Our president, Carl McKay, W9IDZ, and Ted Clifton, W9SEWH, attended the Chicago Council of Radio Clubs' meeting in that city on March 31, to hear Mr. Budlong of ARRL give a very informative picture of the workings of International Frequency Allocations Conferences. A digest of this meeting appears elsewhere in this bulletin written by Carl himself. We sincerely thank Ted and Carl for making this trip in order to bring a first-hand picture of what is being done for amateurs.

\*\*\*\*\*

WHAT'S One day during the recent flood in Michigan, on DONIG April 7 to be exact, W9FMJ, Van Bowman stood by on the QRR net to handle any traffic needing that might be coming his way, but his services were never utilized.

The other day W9PTG called an 8 on 40 c.w. and got an answer. During the qso it was discovered that the 8 was operating on 80 c.w. and was listening on 40 unknowingly. PTG was copying his 2nd harmonic. Such screwy goings on.

Saturday, April 12 W9IDZ, Carl McKay, Tried to outdo himself in the way of work. Took the wife up town at 8 am., came back and seed, fertilized and rolled his front yard; tore out his final and rebuilt it; took the wife out for supper (dinner to you, Carl) went to the basketball game in the evening and came home and had his first qso with the rebuilt final. Who can top this one?

W9PMT finally got on 20 meters with a little assistance from W9MYJ. But he soon found out 20 is even worse than 75 and 80. But he did manage to work a W5 in Okla and one local on c.w.

W9PRO is trying something new with a Crystal oscillator--get it to oscilate with no crystal or parasitics. Try a little milk and catsup, Hap.

Due to so much activity elsewhere Ray Hupp, W9CLF as had to be released from the post is Maintenance Man of the Club's transmitter. Ralph(Bud) Severance has been appointed to serve in this capacity.

## SWAP COLUMN

FOR SALE 2 813s, \$6 each; 2 811s, \$2 each; 1 10-volt 8 amp filament transformer, \$2.50; Philco Dynamic Tester, model 030, \$20; 1 3000-volt, center tap, 500 mil. transformer, \$22.50; 500 mil. swinging choke, \$6.50; 1 Thordarson 125-watt multi-match modulation transformer, \$19. --Joe Whisnant, 2221 Wells St. A-50111.

WANTED ARRL Handbook, 15th Edition, October 1937, W9UKV Maynard Faith, E-1800

WANTED TO BUY Photo enlarger, enlarging from 25mm. to 5x7 inches. --Eshter Davis, 1006 Hugh St. E-1554.

WANTED 10/6.3-volt 8 amp filament transformer; 25-watt 500-ohm to class "B" Grids. --W-KFS, A-40014.

WANTED TO BUY Portable typewriter in fair condition, preferably a Royal, but am not choosy. --Bob Witte, 1318 Huestis Ave. H-8884.

GREETING CARDS & STATIONARY Assorted firthday, \$1 a box assorted Get-Well, \$1 per box; assorted Sympathy 65¢ per box; assorted birthday, Get-Well, etc. \$1 per box Humorous Birthday and Get-Well, 50¢ per box; Notes 50¢ per box; Every-Day Gift Wrappings \$1 per box; 100-sheet, 50-envelope Vellum stationery 89¢ per box; 72-sheet, 48-envelope Ripple stationery 75¢ per box; All sheets  $7\frac{1}{4} \times 10\frac{1}{2}$  inch, envelopes  $7\frac{1}{2}$  inches long. Bob - Witte, 1318 Huestis Ave. H-8884.

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11-METER Our eleven meter band has been shifted 25 kc. SHIFT lower in frequency and is henceforth 27,160 to 27.430 kc in lieu of 27,185 to 27,455. So watch those crystals, boys!

CANADIAN The ARRL Canadian General Manager advises that CHANGES effective April 1st amateur operation on 28 mc in Canada is authorized as follows: 28.2 to 29.7 mc for AM phone, 29.5 to 29.7 for Narrow Band FM, 28 to 29.7 mc for C.W.

## FOR THE EXPERTS

Think you know all the answer's? Try yourself on these.

Misleading publicity may also have you think that the first message to go over a telegraph wire was "What both God Wrought?" Don't believe it. The garrulous builders of the first telegraph line sent hundreds of prior messages over their wire whilt they were stringing it up. The most important was the news of Henry Clay's nomination for presidency which flashed into Blatimore an hour ahead of the train carrying the news and 21 days before the "God" Message.

I M P O R T A N T ! !

Your attention is called to the questionnaire found attached to this bulletin. Please fill it out and return to your Director as stated thereon.

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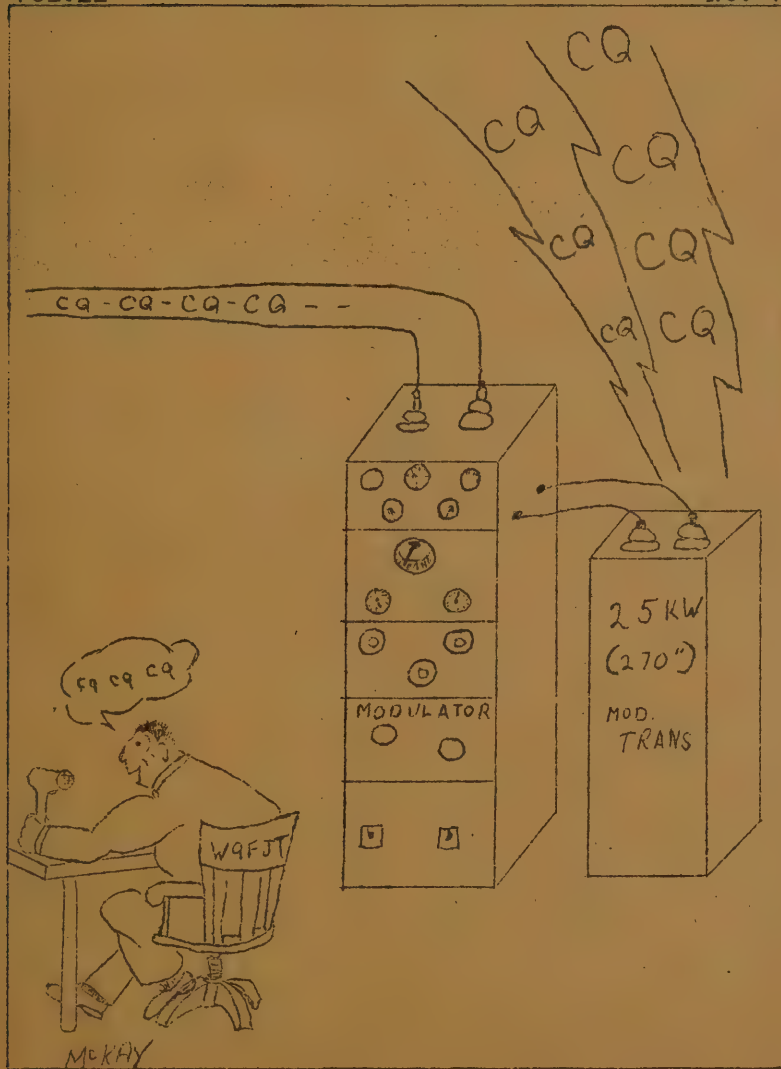
*Charles Kronmüller*  
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*City 6*

# HAM SPLATTER

Published By  
Fort Wayne, Radio Club  
\*\* W9RJY \*\*

Vol. II

No. V





(The following article is the first of a series dealing with the history of the Fort Wayne Radio and written for "Ham Splatter" by Van Bowman, W9FMJ, Club Historian.)

## HISTORY OF THE FORT WAYNE RADIO CLUB

Part I

The Fort Wayne Radio Club is a non-profit organization with a membership comprised of Radio Amateurs, Engineers, Technicians, and SWL.

Some of its present members were also charter members of the original organization which has its inception in 1921 and which was organized under the name of the G. E. Radio Club of Fort Wayne.

The successor to the above was the Radio Traffic Association of Fort Wayne in the year 1928. Meetings were held in the old Chamber of Commerce Building. During this same year of 1928 some of the members volunteered to attempt communication on the new 80-meter band which was opened up for amateur use.

Also in 1928, the Pennsylvania Railroad called upon the local group to establish communications with Lima, Ohio, following the loss of all land lines due to a sleet storm. Some delay was encountered because there was no portable transmitter which could be shipped to the distant point. Following this episode, the club authorized the expense for the construction of a club-owned transmitter.

On another occasion assistance was given to the Indiana Railroad which had lost contact with some of its interurban trains.

An account was found of the first delegate to attend the Indiana State A.R.R.L. Convention at Indianapolis on July 28 - 29, 1928. (Indiana Radio Clubs Council please note)

On January 1, 1930 the name of the organization was changed to the present Fort Wayne Radio Club. Some of the club's members were being advanced to Executive positions in some of the major industries of the middle west. More and more interest was being shown in amateur radio. (To be continued)

V. B., Historian

WHAT      The program committee of our club has been very  
DO YOU    efficient in giving us a variety that appeals to  
THINK?    most everyone in the club, as is always evidenced  
          by the nice attendance and the comment before  
and after about the programs. However, during the coming  
months, due to popular request, some meeting nights are  
scheduled with no regular formal program. Here is an  
idea on how to entertain ourselves and still have these  
open meetings informal and interesting. Announce ahead  
of time and publicize this fact, and make every member a  
committee of one, to bring along, at some open meeting  
night, some real old-time apparatus, if he has such,  
that would be interesting to the old-time operators,  
bringing memories, and interesting to the newer fellows  
because it would be something they have heard about but  
never seen or used. Some ideas along this line might be  
a real old time log or call book, telegraph or speed key  
an ancient microphone, early quartz crystals or their  
holders, a loose coupler, variometer, or an old text  
book or catalog. Also it would be interesting and enter-  
taining and instructive for some of the members who have  
constructed some article or gadget for use in their  
station, either of their own design or from some maga-  
zine article or a copy of a similar piece of apparatus,  
to bring that item along. Some ideas along this line  
would be a VFO you have made and are using, a small re-  
ceiver or audio oscillator, frequency standard, wave  
meter, home built multimeter, transceiver, keying moni-  
tor, phone modulator or modulator-field strength meter,  
or any ideas shown in block form, for antenna transmit-  
ter receiver switching, etc. These items are listed  
merely as a guide and to show the endless interesting  
possibilities at hand. If a non-member has something  
interesting to our gang, invite him along and have him  
bring along the equipment.

Many fellows would be in a position to borrow, for  
that one evening, something from a neighbor or friend or  
their employer, for display. Prizes of some sort could  
be awarded, to carry the program a bit farther and gain  
more active interest from the wouldbe exhibitors. If  
someone will bring up this idea at a club meeting, and

the boys will get behind it, we can make it a big night and another one in which attendance by all members will be a MUST on their calender of special events.

C. A. McKay W9IDZ

H. Nelson W9NXM

WANTA Why not designate one night each month, or one DO IT? night each three months as "Membership night".

This would be for the following reasons: Everyone who is a member of the Fort Wayne Radio Club should try to get out to club meeting at least that one night, no matter how irregularly they attend at other times. Also, each member attending the membership night meeting try to bring along one other person who has an interest in amateur radio or who was a former member or who is a licensed ham and not now a member. We would all get to know and meet a lot more fellows and know one another better, and possibly others not yet having knowledge of the swell officers and membership making up the club would be potential members. If this suggestion is worthwhile shy not some one open the subject at one of the meetings in the near future. Such membership night meeting would be more or less informal, with no regularly scheduled program, or a quick and interesting one, maybe even eats could be supplied with a miniature hamfast. How about it?

Hap Norton W9PRO  
Membership Chairman

LET US BE TOLERANT The following was recently overheard on an amateur band assigned to radio phone operation: A CW station, occupying a frequency inside this phone band, was calling a radiophone station at a speed of not over 12 words a minute, clean sending and a nice signal. In a couple of minutes some other station, using phone, who evidently has heard the CW station interfering with some one this phone station was trying to work, started a long criticism of that "high-powered CW hound" who didn't know enough to stay out of a phone band with his 25 or 30 word per minute stuff. Maybe now, this CW signal was from a man who ordinarily

used phone and whose modulator was out of commission. Or<sup>5</sup> he may have had only one crystal with which to work any one, and had to use that frequency. Or an urgent schedule could have been in the process of being carried on. When such a situation arises, why not count to ten (most phone men can already say one-two-three-four) and then remember the golden rule, the amateur's creed, or use common sense before denouncing the CW station where everyone both interested and dis-interested in amateur radio activities could get a load of it. It seems that the law says that CW may be used in most parts of most bands assigned to amateur operation, regardless of phone sub-divisions or restrictions.

The Editor

FCC            The November FCC report of the Licensing  
LICENSING    Division indicated that at the end of that  
REPORT       month the total number of amateur radio

stations licensed and outstanding was 62,775

In the Department of Civilian Radio Services there were 2418 amateur station applications for the month with 1220 actions, the largest number of issuances. Aeronautical services had the next highest licensing activity, 808 private aircraft, 369 carrier aircraft, 93 aeronautical and fixed, 10 aeronautical navigational, 10 public service aircraft, 5 airdrome control, etc. Marine services with 699 ship licenses and a few in four other categories were next. Land transportation and public safety services ran at almost the same level, November issuances not including 364 taxicab applications (two bus-truck, three transit utility, four railroad), with Police (213), Forestry (124), Fire (32) Highway Maintenance (8) Special Emergency (1) following. Industrial and experimental services were Utility (104) other (82) Petroleum (17) experimental (30) and miscellaneous (4). As of the end of November there were 1944 Standard AM-Board casting stations with 1008 FM stations. Of the 72 television stations licensed, 17 were on the air and 65 represented construction permits. Fifty-four cities in twenty-nine states are covered in current authorizations and applications. International broadcasting stations numbered 37, facsimile 2. Amateur radio remains the service with the widest geographical coverage of the na-



tion, due to the multiplicity of amateur station licenses. A top priority 1948 problem for Emergency Coordinators is to get a much larger proportion of all amateur operators aligned with the ARRL Emergency Corps. A whole chapter in the new 1948 25th Edition ARRL Handbook deals with the important subject of Emergency Operation.

**SURPLUS** We have been asked many times for cover-  
**MODIFICATION** sion data on surplus gear. Some equipment  
**DATA** requires little modification to adapt it  
to amateur use and only a diagram is  
needed to trace the circuit.

Past issues of QST, CQ, and Radio News contain many conversion articles. In browsing through the past issues we have prepared a list of articles on surplus equipment and suggest you clip it out and file for future reference. Many of the back issues are no longer available from the Publishers so you may have to borrow any you need from a friend. (Carl A. McKay, W9IDZ)

In QST: Revamping The BC-342, Sept. 46; What About The BC-375-E? Dec. 46; Converting The BC-348-Q, Jan. 47; Operating The BC-645 On 420, Feb. 47; BC-221 Freq. Meter As A VFO, Mar. 47; More On The BC-348, Nov. 47.

In CQ: Low Loss HF Superhet BC-406, Feb. 46; Converting The SCR-274N Tx, May 46; Converting The ART-13 Xmtr., Nov. 46; Converting The ART-13 Xmtr., Feb. 47; Power Supply For The BC-221, Apr. 47; BC-1068A 2 Meter Conversion, June 47; Mod. The SCR-522 For 2 Meters, July 47.

In Radio News: Converting The SCR-522 Rcvr, Oct. 46; Converting The SCR-522 Xmtr., Nov. 46; AN/ART-13 Autotune XMTR., Dec. 46; 425 Mc Super From Navy ASB-7, July 47; Build Your Own Television Receiver Using Bc-412 Scope, Aug. 47; Adapting The TBY-7, Oct. 47.

**MAUMEE VALLEY** How about the ancient ruling that a sta-  
**NET TAKE HEED!** tion shall use the minimum amount of  
power needed to effect good communica-  
tions when working a local or distant station? Do we  
need 950, 700, 500 watts to talk locally? What do you  
think?

Mert Baird, W9GZV

By C. A. McKay, W9IDZ

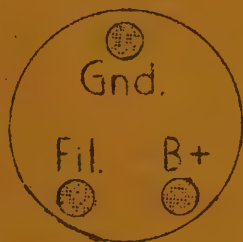
The BC-454A is an aircraft receiver that is part of the Command Sets so widely advertised covering a range of 3 to 6 mc. Its I.F. is 1415 kc., making it an ideal piece of equipment for modification into a ten meter converter. It is a simple procedure to feed the 1415 kc. output of this receiver into your regular car radio.

The equipment needed for this modification job is one FT260 local control adapter and one MC237A tuning crank. All of these parts are readily available on the surplus market.

Rewire the filament circuit so that all the tubes will be in parallel and replace the 12-volt tubes with 6-volt series counterparts, substituting a 6K6 in place of the 12A6. The output tube and the second detector are used only when the receiver is being used on A.C.

The antenna R.F. and oscillator coils are located beneath the chassis and are of the plug-in type. Turns are removed until only approximately 5 are left on each coil. The gang condensers are cut down until two plates are left on each condenser.

The 1415 kc. I.F. signal is taken from the socket of the 6SR7 using a shielded lead and an octal socket adapter. Connect the inner conductor of the shielded lead to pin 4 and the shield to pin 5. The layout of the dynamotor socket and the rear plug socket is shown below.



DYNAMOTOR

TOP  
VIEW



REAR PLUG

## S P L A T T E R I N G S

On March 15 PMT was pleasantly surprised as an unexpected visitor in the person of Joe Dreher, ex-W9WOD and now W2TKG. Joe is associated with the Personnel Dept of General Electric's Electronics Division in Syracuse, N. Y. He, together with his xyl and junior op resided in Fort Wayne a few months while receiving training as an electrical engineer. Come back again, Joe, when you can stay longer and visit some more of your former friends. Joe was active on ten meters during his stay here and is now having very good luck on 20 cw with DX running about 40 watts to an 807.

The stork paid his first visit to another former resident and left a new 7 pound 14 ounce junior op to Mr. and Mrs. Don T. Meisel of Souix Falls, S. Dak. Don's call is now W4ZIQ. He is a former Indiana Tech Student. Congratulations, Don and Marty, may you have many more such visits. Don also was on ten and his call then was W9SBF.

We hear that Al Fritz, W9USU and Olive are now living in Toledo, Ohio, and their last known qth was 816 W. Central, Apt. 1.

Besides studying and operating 40 cw., BEN finds time to extinguish an occasional neighborhood fire as he recently demonstrated. While in qso with a buddy back in his home town, Joe happened to look out his window and to his amazement saw flames in the house across the street and immediately told his buddy to qrx. He then roused his room mate out of the bathroom and the two of them hurried over to the burning house and informed the unsuspecting occupant of what was happening, then proceeded to extinguish the fire. Good work, Joe. By the way, Joe has a new HRO receiver--or is it a Super Pro?--It's one of the two but we forget which. However, we'll settle for either one.

W9ENB has been appointed to act as alternate NCS for the QIN net. Ward is also trying to fix up some clothes racks and get more chairs for the club room.

On November 19 at 9:15 p.m. W9WOG and W9PC, both portable mobile, made contact with each other on ten meters for the first time locally.

FMJ has been qrt "because of no heat in the shack but Van says he'll be on again in the near future.

Bill Dailey acquired himself an SX-36 receiver but guess he had to trade everything but an old stove pipe elbow to get it from KZB. Bill hasn't had time to dig his equipment out from packing since being in the new qth to get it back on the air.

PMT's antenna masts could not stand the strain of heavy ice during the ice and snow storm the city and surrounding area suffered on New Years Day. Both are badly bent and as soon as the weather permits new ones will be erected. However, he's still getting out with fair success. Bob's also Communications Manager again and requests all items of interest be transmitted to him for mention in Ham Splatter and QST.

NAH and family vacationed in Florida for two weeks during the first part of March. We have not talked to him since his return but we hope the trip was pleasant and worthwhile.

YQV finally received his class B ticket in Dec.

Another to graduate from the lower order is PRO who was granted a class A ticket December 22. Twenty minutes later he was heard beating his brains out on 75 meter fone. Hap very recently won first prize in "WFW" (worked Fort Wayne) contest and wins the FS-135-C Hammerlund Frequency Standard. He is also Station Trustee of the Club's station W9RJY. Recently Hap has become associated with the Seeburg Company. Best of luck, Hap.

Another antenna to suffer the tortures of ice was UUN's ten meter "bird trap". But Bud's been making a mighty fine showing on ten meter DX.

FWP will soon have a new qth as he is building a new home on Schele Ave. and intends to erect a beam of some sort for ten.

ZNC put in his bid for class A license in February. Between his studies and working on PMT's rig he doesn't have time to do much hamming for his own benefit.

FMJ and family are planning a trip to California in April. We hope they are successful and that they have an enjoyable trip.



1pZ's new rig will have 3 exciters and finals on chassis with a 4E27 final for quick bandswitching. Modulation will be done with a common modulator.

A nice letter was received by Carl McKay the other day from a member of the club who recently left the city. It was Roger D. Thompson, W9GPA, and he is now with the Allen B. DuMont Laboratories in Clifton, New Jersey, in Development Engineering in the Transmitter Division. Roger requested his name be withdrawn from membership as he will no longer be able to participate in club activities. Good luck, Roger, in your new surroundings.

Howard I. Becker is another of our fold to depart for a new field. He is now with the General Electric's plant in Pittsfield, Mass. And we also send him our well wishes for success.

W9CLF and W9IDZ have requested the cancellation of their OBS appointments. New OBS appointees are "Hap Norton, W9PRO of Fort Wayne who will use ten meters for his BC to alert the Fort Wayne Area, and W9UGH "Webb" Broadus who will give out to the Indiana Phone net the latest dope. Still need one down Evansville way and one up Gary way. (Do you know anyone for the Job?) DO YOU How often have you wondered what different club WONDER members do in their vocation? For instance, what TOO? does Charlie Richards do--or Ray Hupp--Bud Severance--and many others-- do in their particular fields. Do you think it would be too imposing upon these and many others in our midst to ask them to explain what duties they perform in their work. How about some comment on this suggestion?

Our good friend E. W. Klein, W8UW of Van Wert, Ohio. has been making a trip around the world and one of his letters from India might interest you boys. Quoting. "You are no doubt quite interested in radio conditions over on this side of the world. Up until now I have been able to call QCC, located at Chatham, Mass., on 16560 or 22080 and he would come right back - pretty good for 200 watts? I have a message for him tonight, but he has his caller on. Ocassionally I hear WSL on 22mc. but not very good. WCC is the only American Station that I hear well over here. WWV or NSS neither one come through except spasmodically. One that only works ham bands has no idea of the static that you have to copy through on 500 kc. It sure was terrible while we were passing through the Red Sea. I have never heard anything like it before.

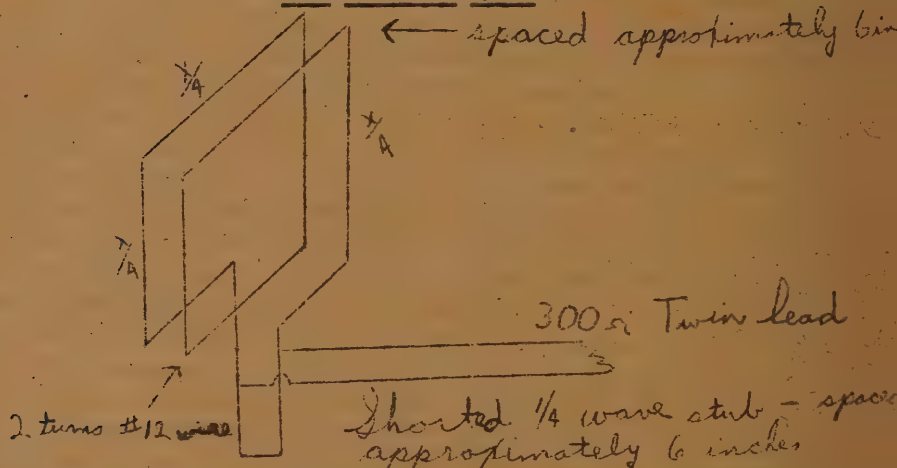
When I got as far as the Azores and up to now all I would hear was what you would call DX over there. Stations from all over Eurpoe, Asia, Africa could be heard any night. They would call DX and it sounded funny to hear a Russian or an Italian come Back QSA 5. When passing into the Straits of Gibraltar I liked to listen to the Britishers "G" CQing for DX and they would call and call and call without any results and yet over there you were not hearing them. A ham in the USA usually gets the idea that all you have to do is CQ over in some foreign country to have a mess of US stations come back but I sure found out different. I don't hear a single W station on the Ham Bands over here. If we were equipped for 28 mc I might hear some of the Ft. Wayne gang. Or perhaps if I were to get up about 3 in the morning I might hear some W's around 2200 to 2400 GMT seems to be the right time for them - at least that is when WCC and WSL are coming through best. If you could hear 7 mc over this way would never use it again for DX. All you can hear are BC stations and Phone Hams, but mostly BCS. Just before we got to Gibraltar I listened on 3.5 mc and heard a few stations. There was a "SM" that CQed on a bug at high speed, until someone would break in on him and then it sounded much like 80 at home. Usually when we hear them at home they are going about 2 words per minute.

12.

I just had the receiver set on 14 mc just to see what was cooking. The band is full of South African Stations and a few Russians. Right now I hear PKIR signing PK2KL-- both QSA 5 without the Dx rigg to them. While in Alexandria I stopped in at a radio shop and they informed me that no "SU" had a ham ticket since the war so I suppose that is why we missed them on the DX contest. I came away without my call book and should be shot as it would be nice to walk in on some ham over this way. One of the Indiana boys on board says he can locate me one in Bombay!"

73 Gene

### "The Cubical Quad"



Give this cubical quad antenna a trial on 2, 6, or 10 meters. Bell Labs are experimenting with it and will have data out soon. It is easy to construct, no great amount of insulation is necessary, use #12 wire, stand upright as Fig. 1 shows, can be rotated, is bi-directional, can be made with 2 or more turns thus increasing the gain, measure the quarter-wave sides just a wee-bit longer than your desired frequency, use 300 ohm twin-lead to feed and attach to the 600 ohm quarter-wave stub by cut and try method until the final takes a load.

C. A. McKay, W9IDZ

12/22/47

- QNA - Answer in Alphabetical order of calls
- QNB - Act as relay Between....and.....
- QNC - All Net stations Copy
- QND - Net is Directed
- QNE - Entire net please stand by
- QNF - Net is Free
- QNG - Leaving net until....please Guard the frequency
- QNH - Your Net frequency is Low
- QNI - Report Into net
- QNJ - Can you copy....?
- QNK - Transmit message for....to....K
- QNL - Your Net frequency is Low
- QNM - You are QRMing....please stand by
- QNN - Net control station is....(on....kc)
- QNO - Going Out of net
- QNP - Can't copy you due to Poor conditions - will call you later.
- QNQ - Send your information "QST" (or QNC) to entire net.
- QNR - Answer....and Relay (or Recive) his traffic
- QNS - Following Stations in net
- QNT - Leaving Net Temporarily (or for....minutes)
- QNU - ....has traffic for you; await instructions (or QNU QNR)
- QNV - Please request....to send a series of V's
- QNW - Through Whom shall I relay message for....?
- QNX - You are excused from net (or request to be excused)
- QNY - Please QSY to another frequency (or to....kc) to prevent QRMing another station (or to clear traffic with....)
- QNZ - Following new member (s) have joined net

\*\*\*\*\*

- QAV - Are you calling me? I am calling....
- QRL - Are you busy? I am busy (or busy with....)
- QRU - Have you anything for me? I have nothing for you.
- QRV - Are you ready? I am ready.
- QRW - Must I advise....you are calling him? Please advise  
....I am calling him.



- 14
- QRX - Must I wait? Wait until I have finished with....  
will call you....
- QRY - What is my turn? Your turn is No....
- QRZ By whom am I being called? You are being called by
- QSG - Shall I send....telegrams (or one at a time? Send.  
....at a time.
- QSL - Can you acknowledge receipt? I acknowledge receipt
- QSP - Will you relay to....? I will really to....
- QSV - Shall I send a series of V's? Send a series of V's.
- QSW - Will you send on....kc? I will send on....kc.
- QSY - Must I change to....kc? Change to....kc.
- QTA - Must I cancel No....? Cancel No....
- QTB - Do you agree with my check? No, I repeat first  
letter each word and first figure each number.
- QTC - How many telegrams have you to send? I have....  
telegrams from....
- QTR - What is exact time? Exact time is....

\*\*\*\*\*

# OTHER SPECIAL SIGNALS FREQUENTLY USED

B - More to follow.      C - Yes      N - No (or no More)  
SK

SWAP COLUMN  
FOR SALE General Electric Portable Radio--HB-410. Like  
new. \$19.00. W9FMJ, Van Bowman, A-68301.

FOR SALE A Simpson 260 Multimeter, only a year old. Per-  
fect condition guaranteed. The owner went to college  
and needs the money. Would like \$30. Write or call  
George Bertsche, Woodburn, Indiana.

TRANSMITTER FOR SALE 100 watts, all bands, complete with  
modulator and power supply all in one small table rack.  
A beautiful job. It is now at W9FJT's. Would like \$150.  
George Bertsche, Woodburn, Indiana.

QSLs Yes, I'm back in the business again, boys, but with  
a little different set-up. QSLs are mimeographed--not  
printed and can be delivered in a few days after pla-  
cing your order. Ask for samples. Bob Witte, 1318  
Huestis Ave. H-8884.

That long delayed luncheon date of Marion L. and Edith H. finally took place. Now they're attending a banquet. What next, gals?

The XYL's recent baby shower at Gene Richards beat the storck one week. The new arrival is a Palmer jr. op.

Interesting goings on for the future include the XYLs' appearance at the Leisure Electric Home of the Home Forum. Cards and lunch will be featured. Tallies will be on sale by all XYL members.

Club attendance has been excellent in spite of consistently bad weather and usual amount of winter illness.

Don't forget to save that paper towards our own fund. No meeting on Good Friday. Next meeting will be second Friday in April as usual. Happy Easter Tidings.

Esther Clifton

When it's Radio Parts  
You Need

see

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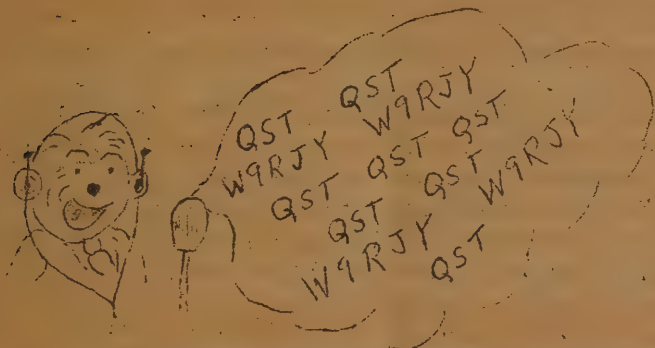
Charles Kionnill  
1119 Guttman Ave  
East Wayne 6,  
Indiana

# HAM SPLATTER

Published By  
Fort Wayne Radio Club  
\* W9RJY \*

Vol. III, No. 1

August, 1948



ATTENTION ALL HAMS

## FIRST FALL MEETING

September 3, 1948  
Club Rooms

Nomination of Officers



An open letter to all Amateurs!

This is a Special Invitation to join a group that represents you.

To expedite the business of getting a going organization so that all of us can gain the most at the minimum of time and expense. A small but representative group of your friends and fellow amateurs have given liberally of their time and money to form the new but mighty organization known as National Amateur Radio Council, Inc.

If you are an amateur or a prospective amateur or even an S.W.L. listener, you have a definite stake in this organization. Join N.A.R.C. Don't stand on the side lines crying or complaining because Amateur Radio is going to Pot or the amateur isn't getting a square deal. Join Up! Your ideas and support are greatly needed. THIS IS YOUR ORGANIZATION! You members will conduct, elect and govern your officers. You members will control the affairs and policy of N.A.R.C. In short, it is Your Baby.

This is not a one, two or even three man show. This is an organization to represent the will of the majority.

To start the ball rolling this group offers for your approval:

To represent you before the F.C.C. regarding increased phone allocations on the 20 meter band as per the poll in QST; no other group has seen the necessity of giving you this representation. If given your loyal support, N.A.R.C. promises to do this job for you. Legal Counsel already has been retained for this purpose. A Washington Representative as well as a local firm - Two for the Price of One. In our opinion the best that money can buy.

A MONTHLY letter to the membership giving the inside dope on what is going on the Amateur Radio THE TRUE FACTS pulling no punches but telling the true story and letting the chips fall where they may.

A great many controversial questions will be brought up, such as Class B Privileges, S.S.S.C., U. H.F., Class A Licensing, etc, etc. This organization is committed to review each and every amateur problem with an impartial view, submit it to the membership for consideration and abide by the rule of the majority.

This is a fighting organization. It owes its allegiance to no one except the American Radio Amateur. It is not anti-anything but is definitely Pro and For the rights and privileges of the majority of the Amateurs, not just a chosen few.

This is not a Solitary Voice crying out, but a large and mighty voice which can and will serve and defend the American Amateur Radio fraternity.

\* \* \* \* \*

NARC has petitioned FCC for a hearing in Early Sept. to present the 20 meter phone question. 78% of an amateur pole requested increase in 20 meter phone assignment but the Board of directors of ARRL disregarded this pole and is not requesting an increase in 20 meter band, off FCC.

NARC is representing the amateur. On this basis why not fill out the application below and join the NARC.

NARC organization meeting will be at Milwaukee at the National ARRL Convention on Sept. 4 - 6.

**\*\* N.A.R.C. MEMBERSHIP APPLICATION \*\***

Temporary Office - 23 Main St.  
Champaign, Ill.

I hereby make application for full membership\_\_\_\_\_ or Associate Membership\_\_\_\_\_ (check which) in the National Amateur Radio Council, Inc. and agree to conform to the Constitution and By-Laws of this Corporation as adopted.

Signed \_\_\_\_\_

Class of License \_\_\_\_\_ Call Letters \_\_\_\_\_

Address: Street \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_

## PREPARATION FOR AN EMERGENCY BY - C.A. McKay W9IDZ, Pres.

I think most of you realize, but I want to emphasize it now and expect to continue hammering at this point: WE AMATEURS BEST JUSTIFY OUR PLACE ON THE AIR BY THE SERVICE WE RENDER OUR COMMUNITY AND THE NATION IN TIMES OF COMMUNICATIONS TIE UPS - DUE TO DISASTERS.

I know there would be many red faces right here in Fort Wayne if some unforeseen disaster were to wipe out our telephone, telegraph and electric lines right now. Some say what good hams we are, what DX we can work, how long a rag chew we can hold, what good rigs we can build and what close frequency tolerances we can hold, but if it comes to doing something to prove we should be given the right to our frequencies "WE JUST ARE NOT THERE".

Here is how you can PROVE your worth as a HAM: BEFORE AN EMERGENCY ARISES - Have at least a piece of equipment that can work the local territory operating on emergency power. If that is impossible, at least learn the proper procedure for handling traffic and be prepared to offer your service at a moments notice. Join the AEC and give the emergency coordinator your name, phone, etc., so he will know whom he can count on.

IN AN EMERGENCY: Report at once to the ARRL emergency coordinator and tell what you have ready; and what hours you can help etc.

RESTRICT OPERATION: Act in accordance with FCC Sec 12.156 regulations if and when FCC has declared a Communications Emergency.

PRIORITIES: Messages pertaining to Red Cross work and direct relief in the distressed area MUST be given first priority.

KEY STATION OR NCS: The key station in an emergency or disaster zone is the one that first calls for help. He should be given all the help possible; but if someone else is doing a good job; better QRX on the frequency. Very

shortly an NCS should appear and keep things moving. NCS should be supreme authority in such cases.

IN CONCLUSION: Try operating as if YOU were the only station in the disaster zone, you know how you would feel if some eager beavers QRM'D you and the stations you were handling distress traffic through. After the emergency report in detail your activities to your local emergency coordinator so AMATEUR RADIO CAN RECEIVE THE CREDIT THAT IS DUE IT.

#### OFFICAL BULLETIN NR 145 FROM ARRL HEADQUARTERS.

Proof of use of operator license as condition to renewal has been waived through December 31 as a result of FCC action. This postpones for another six months the effective date of the requirement to show three CW contacts on renewal applications. AR

#### NEW EMERGENCY CALL TO BE QRRR.

"Q" code abbreviations were reviewed at ACy. In the future QRR will refer to readiness for "automatic" operation. Since this precludes continued use of this signal for our emergency call and to avoid possible confusion, ARRL has adopted the following new call and assigned meaning. Effective at once ARR will no longer be used but QRRR will be the offical ARRL distress call.

QRRR Offical ARRL land "SOS". A distress call for emergency use only by station in an emergency situation. (QRRR calls should never be made by amateur stations outside an emergency zone. The call is authorized only for those in difficulty and needing outside assistance and to be used by stations in a zone of disrupted or non-existent communications.)

---

Mary had a little calf  
'Twas shapely as could be;  
Now Mary's got the New Look,  
And her calf you cannot see.



IRCC HOLDS Indiana hams had their first big get-to-  
FIRST PICNIC gether on Sunday August 8 when the Indiana  
Radio Club Council staged its first big  
gathering -- family picnic -- at the Mounds State Park,  
east of Anderson, Ind.

At 10 o'clock am. registrations started and by the  
time they were closed over 280 were known to be present.  
Each registrant was given a ticket entitling him to the  
drawing of attendance prizes that were raffled off later  
in the afternoon.

Noon time brought the spreading of picnic baskets  
and as is always the rule no one went away hungrar. If so  
it was his own fault. And we bet one thing -- that Ted  
Clifton, W9SWH, made up for last year, at which time he  
was chewing his gombs. This year he had new uppers and  
lowers.

The planned program began at 1:30 with SWH as Mast-  
er of Ceremonies. Various officers of the newly formed  
IRCC were introduced, followed by the SCM, State EC, Net  
Controls, etc.

The children were given an opportunity to show their  
skill in various contests and games for which prizes were  
awarded to the winners.

Other contests held included one for ladies hats  
made of radio gear or resembling radio gear, and one for  
the best mobile rig. Our own Glenn Harnishfeger, W9QCY,  
won second prize in the latter contest.

Several prizes were given during the drawing which  
took about an hour's time, and consisted of transformers  
crystals, tubes, coils, a few household appliances, a  
two meter beam, K 223 trassmttter, etc.

Ceremonies were concluded by a short address by Ted  
Clifton, who did a very fine job as M/C, with his teeth out  
so his tongue would have plenty of room, and wearing an  
old gray wig and straw hat.

Sound and recording equipment was loaned by the  
Seeberg Company through the cooperation of Wayne Palmer,  
W9ABP.

Pictures were taken of the crowd and also of the  
QIN members that were present.

Bob Witte, W9PMT

## SPLATTERINGS

There was a time when IDZ, Carl McKay, had trouble keeping his 20-meter folded di-pole in the air. He would find it on the ground, stick it back up, and later find it down again. After a number of these experiences Carl discovered to his chagrin that it was no ice or wind storm nor such a husky signal that was taking the antenna down. Seems as though Carl has some acrobatic squirrels on the place and they were using the antenna for a tite wire act and their weight was a little to much for it.

We know that over embibing in alcoholic beverages has its damaging affects on the human brain. But we've never heard of lemonade being in that class. Yet we wonder. A few weeks ago PMT hooked up with PRO on 75 phone. Hap had a visitor in the shack with him--one FJT, Bob Sievers. It was a fairly hot day and they were trying to refresh themselves with lemonade. During one of Hap's transmissions he suddenly burst into the most spontaneous exhaustive laugh you ever heard. After what seemed like several minutes Hap finally stopped laughing long enough to explain the reason for his outburst. Bob had unmindfully stuck the wrong end of a lighted cigar in his mouth.

We send our most hearty congratulations to JYU. Don Schoenefeld, and family on the arrival of a new baby girl. It was recently learned that their qth has been changed to 5118 Alexander.

We know one of BKJ's stopping places on his trip east was at WIAW because we heard a message read on the Indiana Emergency net he sent from ARRL. Have a good time, George?

ODW and IDZ have again swapped receivers--Max's NC-173 for Carl's HQ-129X.

PMT returned to 75 phone a couple of weeks ago with a BC-696A and his old modulator. He is very much satisfied with this little rig and also with the BC-457 which he put on the air. Conversion credit for these two rigs goes to IDZ who did an excellent job as evidenced by reports from those worked. In two evenings work he contacted all districts but the 5th and 6th on 40 meters with about 33 watts input.

WANTED 24 hour clock or information on where one can be purchased. Also, back issues of "Radio" and back issues of QST before 1929. Have for trade back issues of "QST", "Radio" and radio parts. C. A. McKay, W9IDZ, 2315 Springfield. E-2670.

FOR SALE Hallicrafter S-20-R, good condition. Also A.B. Dick Mimeograph Duplicator Model 78 with closed cylinder, automatic feed, excellent condition, ready to be used. A few boxes of Christmas cards and wrapping paper. Bob Witte, 1318 Huestis Ave., H-8884.

FOR SALE 1939 Shultz Trailer. Put your portable rig in your portable shack. Recently reconditioned inside and out see or call W9GWE 2210 Thompson Avenue. A-65365.

FOR SALE HOWARD 435 RECEIVER \$ 18. Cliff Pyott, 2227 $\frac{1}{2}$  S. Lafayette. OR Bob Witte 1318 Huestis Ave. H-8884.

JJI and family are making a trip to the west coast. This is Mark's first trip back home in 20 years. We hope the trip will be a success.

Earl Whyman, ex-EOY, visited the city over weekend of August 15, from Jackson, Michigan where he now associated with the Sparton Radio Company, and said he had been issued the first call he'd ever had -- W8KCN

8ZUU/9 is operating from Trailer Haven now.

We have reports that activity on 29300 is picking up again, so guess we'll be having those nightly rag chews before long.

We express our deepest sympathies to the family of Charles Lemieux, W9COI, upon Charlie's untimely passing in July.

We have another new licensee in the name of Eugene Klingler, 1412 Broadway. Gene's call is W9DMT. Welcome to the Fort Wayne gang, Gene.

**ATTENTION :** There will be an outing for you two-meter TWO-METER MEN boys sometime in September at Pokagon State Park, north of Angola, Indiana. for more details see Fred Haneline, W9UDD.



SWITCH TO. And be sure the switch works!! "GRM is bad  
SAFETY on the bands these days. It is not necessary  
to electrocute our ops to thin the bands down  
tho. There have been two cases locally where we almost  
lost some members! Both fellows wanted to change bands.  
They snapped off the high power switch and went around  
and grasped the final tank coil\*!#\*! B L A T ! ! \* ! !  
One conducted 2000 volts to ground throu his hands was  
laid up for about a week from shock and bad burns. His  
relay had stuck! He ruined the final not to mention that  
he might have been killed. The other fellow took 1500  
volts and was burned on the hands. However, he was  
thrown clear with no damage to the rig and he was not  
laid up. That was luck. He was using mercury switches  
and the mercury vaporized or shorted and kept the cir-  
cuit closed. So when you switch to safety -- be mighty  
sure that switch works. A positive acting plug or MAIN  
KNIFE SWITCH and a habit of ALWAYS USING SAME will pay  
off! "

#### OFFICAL BULLETIN NR 148 FROM ARRL HEADQUARTERS

As result of ARRL request to FCC and effective immediately  
amateurs are authorized mobile operation within continent-  
al limits of United States its territories or possessions  
on any amateur frequency. No notification required for  
such mobile operation up to 48 hours away from home locat-  
ion but when such operation in excess of 48 hours without  
return to fixed station location prior written notice re-  
quired to Engineer in Charge of Radio Inspection District  
in which operation intended. Operation as mobile may be as  
long as desired but monthly notifications required. At  
same time FCC changed requirements for notifications of  
portable operation so that required only when portable  
operation is or is likely to be for an overall period in  
excess of 48 hours away from fixed transmitter location  
but is required then on all amateur frequencies even  
though station operated part of time at fixed transmitter  
location. Notification to be sent to Engineer in Charge of  
district in which operation intended. AR



## \* FREQUENCY SPECTRUM \*

Frequencies ranging from 15 to 15,000 cycles per second are called AUDIO frequencies, because the vibrations of air particles that our ears recognize as sounds occur at the same rate. AUDIO frequencies (abbreviated (A.F.)) are used to actuate loudspeakers and thus create sound waves.

Frequencies above 15,000 cycles are called RADIO frequencies (abbreviated R. F. ) because they are useful in radio transmission. Frequencies all the way up to and beyond 10,000,000,000 cycles have been used for radio purposes. At RADIO frequencies the numbers become so large that it becomes convenient to use a larger unit than cycle. Two such units in everyday use are the KILOCYCLE which equal to 1000 cycles and is (abbreviated KC.), and the MEGACYCLE which is equal to 1,000,000 cycles or 1000 kilocycles and is (abbreviated MC.)

The various radio (R.F.) frequencies are divided off into classifications for ready identification. These classifications, listed below, constitute the FREQUENCY SPECTRUM.so far as it extends for radio purposes at the present time.

| <u>FREQUENCY</u> |    | <u>CLASSIFICATION</u> | <u>ABBREVIATION</u> |
|------------------|----|-----------------------|---------------------|
| 10 - 30          | KC | Very low frequencies  | v.l.f.              |
| 30 - 300         | KC | Low frequencies       | l.f.                |
| 300 - 3000       | KC | Medium frequencies    | m.f.                |
| 3 - 30           | MC | High frequencies      | h.f.                |
| 30 - 300         | MC | Very high frequencies | v.h.f.              |
| 300 - 3000       | MC | Ultrahigh frequencies | u.h.f.              |
| 3000 - 30,000    | MC | Superhigh frequencies | s.h.f.              |

C. A. McKay W9IDZ

Date 7/14/48

\* AMATEUR FREQUENCIES AND HARMONIC RELATIONSHIPS \*

I. 3500 - 4000 KC (A1)

1. 1750 - 2000 KC X 2
2. 3500 - 4000 KC F

A. 3800 - 4000 (A3) Class A only

1. 1900 - 2000 KC X 2
2. 3800 - 4000 KC F

II. 7000 - 7300 KC - (A1)

1. 1750 - 1850 X 4 ( 2 X 2 )
2. 2333.33 - 2433.33 X 3
3. 3500 - 3650 X 2
4. 7000 - 7300 F

III. 14000 - 14350 KC (A1)

1. 1750 - 1793.75 X 8 ( 2 X 4 ) ( 2 X 2 X 2 )
2. 2333.33 - 2391.66 X 6 ( 3 X 2 ) ( 2 X 3 )
3. 3500 - 3887.5 X 4 ( 2 X 2 )
4. 4666.66 - 4783.33 X 3
5. 7000 - 7175 X 2
6. 14000 - 14350 F

A. 14200 - 14300 KC (A3) Class A only

1. 1775 - 1787 X 8 ( 2 X 4 ) ( 2 X 2 X 2 )
2. 2366.66 - 2383.33 X 6 ( 3 X 2 ) ( 2 X 3 )
3. 3550 - 3575 X 4 ( 2 X 2 )
4. 4733.33 - 4766.66 X 3
5. 7100 - 7150 X 2
6. 14200 - 14300 F

IV. 21000 - 21450 KC (A1) Will be in 1949

1. 2625 - 2681.25 -8 ( 2 X 4 ) ( 2 X 2 X 2 )
2. 3500 - 3575 -6 ( 3 X 2 ) ( 2 X 3 )
3. 5250 - 5362.4 -4 ( 2 X 2 )
4. 7000 - 7150 -3
5. 10500 - 10725 -2
6. 21000 - 21450 -F

V. 27185 - 27455 KC - Was 1947  
 27160 - 27430 KC - Now 7/5/48  
 26960 - 27230 KC - Will be in 1949

A. 27160 - 27430 KC ( A $\emptyset$ , A1, A2, A3, A4, F.M. )  
 1. 3018 - 3047 - 9 ( 3 X 3 )  
 2. 3394 - 3428 - 8 ( 2 X 4 ) ( 2 X 2 X 2 )  
 3. 4527 - 4571 - 6 ( 3 X 2 ) ( 2 X 3 )  
 4. 5432 - 5486 - 5 ( 5 )  
 5. 6790 - 6857 - 4 ( 2 X 2 )  
 6. 9054 - 9143 - 3  
 7. 13580 - 13715 - 2  
 8. 27160 - 27430 - F

B. 26960 - 27230 KC ( A $\emptyset$ , A1, A2, A3, A4, F.M. )  
 1. 2995.55 - 3025.55 - 9 ( 3 X 3 )  
 2. 3370. - 3403.75 - 8 ( 2 X 4 ) ( 2 X 2 X 2 )  
 3. 4493.33 - 4538.33 - 6 ( 3 - 2 ) ( 2 - 3 )  
 4. 6740. - 6807.5 - 4  
 5. 8986.66 - 9076.66 - 3  
 6. 13480. - 13615. - 2  
 7. 26960. - 27230 - F

VI. 28000 - 220700 KC ( A 1 )  
 1. 3111.11 - 3300 - 9 ( 3 X 3 )  
 2. 3500 - 3712.5 - 8 ( 2 X 4 ) ( 2 X 2 X 2 )  
 3. 4666.66 - 4950 - 6 ( 3 X 2 ) ( 2 X 3 )  
 4. 7000 - 7425 - 4 ( 2 X 2 )  
 5. 9333.33 - 9900 - 3  
 6. 14000 - 14850 - 2  
 7. 28000 - 29700 - F

A. 28500 - 29700 KC ( A3 )  
 1. 3166.66 - 3300 - 9 ( 3 X 3 )  
 2. 3562.5 - 3712.5 - 8 ( 2 X 4 ) ( 2 X 2 X 2 )  
 3. 4750 - 4950 - 6 ( 3 X 2 ) ( 2 X 3 )  
 4. 7125 - 7425 - 4 ( 2 X 2 )  
 5. 9500 - 9900 - 3  
 6. 14250 - 14850 - 2  
 7. 28500 - 29700 - F

|      |                 |       |                                              |
|------|-----------------|-------|----------------------------------------------|
| VII. | 50,000 - 54,000 | M.C.  | ( A1, A2, A3, A4 )                           |
| 1.   | 3125 - 3375     | KC 16 | ( 4 X 4 ) ( 2 X 2 X 4 )<br>( 2 X 2 X 2 X 2 ) |
| 2.   | 3333 - 3600     | KC 15 | ( 5 X 3 ) ( 3 X 5 )                          |
| 3.   | 4166 - 4500     | KC 12 | ( 4 X 3 ) ( 3 X 2 X 2 )                      |
| 4.   | 5556 - 6000     | KC 9  | ( 3 X 3 )                                    |
| 5.   | 6250 - 6750     | KC 8  | ( 2 X 4 ) ( 2 X 2 X 2 )                      |
| 6.   | 8334 - 9000     | KC 6  | ( 3 X 2 ) ( 2 X 3 )                          |
| 7.   | 12500 - 13500   | KC 4  | ( 2 X 2 )                                    |
| 8.   | 16667 - 18000   | KC 3  |                                              |
| 9.   | 25000 - 27000   | KC 2  |                                              |

|       |                     |       |                                   |
|-------|---------------------|-------|-----------------------------------|
| VIII. | 144 - 148           | M.C.  | ( A $\phi$ , A1, A2, A3, A4, FM ) |
| 1.    | 3428.5 - 3523.8     | KC 42 | ( 7 X 2 X 3 )                     |
| 2.    | 3600.0 - 3700.0     | KC 40 | ( 5 X 2 X 2 X 2 )                 |
| 3.    | 4000.0 - 4111.1     | KC 36 | ( 3 X 3 X 2 X 2 )                 |
| 4.    | 4500.0 - 4625.00    | KC 32 | ( 2 X 2 X 2 X 2 )                 |
| 5.    | 4800.0 - 4933.33    | KC 30 | ( 5 X 3 X 2 )                     |
| 6.    | 5142.85 - 5285.71   | KC 28 | ( 7 X 2 X 2 )                     |
| 7.    | 6000.00 - 6166.66   | KC 24 | ( 6 X 2 X 2 )                     |
| 8.    | 7200.00 - 7400.00   | KC 20 | ( 5 X 2 X 2 )                     |
| 9.    | 8000.00 - 8222.22   | KC 18 | ( 3 X 3 X 2 )                     |
| 10.   | 9600. - 9866.66     | KC 15 | ( 5 X 3 )                         |
| 11.   | 9000.00 - 9250.00   | KC 16 | ( 2 X 2 X 2 X 2 )                 |
| 12.   | 12000.00 - 12333.33 | KC 12 | ( 3 X 2 X 2 )                     |
| 13.   | 14400.00 - 14800.00 | KC 10 | ( 5 X 2 )                         |
| 14.   | 16000.00 - 16444.44 | KC 9  | ( 3 X 3 )                         |
| 15.   | 18000.00 - 18500.00 | KC 8  | ( 2 X 2 X 2 )                     |
| 16.   | 24000.00 - 24666.66 | KC 6  | ( 3 X 2 )                         |
| 17.   | 28800.00 - 29600.   | KC 5  | ( 5 )                             |

|     |                   |       |                                   |
|-----|-------------------|-------|-----------------------------------|
| IX. | 220 - 225         | M.C.  | ( A $\phi$ , A1, A2, A3, A4, FM ) |
| 1.  | 3666.66 - 3750.0  | KC 60 | ( 5 X 3 X 2 X 2 )                 |
| 2.  | 3928.57 - 4017.85 | KC 56 | ( 7 X 2 X 2 X 2 )                 |
| 3.  | 4074.57 - 4166.66 | KC 54 | ( 3 X 3 X 3 X 2 )                 |
| 4.  | 4400.00 - 4500.00 | KC 50 | ( 5 X 5 X 2 )                     |
| 5.  | 4583.33 - 4687.50 | KC 48 | ( 3 X 2 X 2 X 2 X 2 )             |
| 6.  | 5238.09 - 5357.14 | KC 42 | ( 7 X 2 X 3 )                     |
| 7.  | 5500.00 - 5625.00 | KC 40 | ( 5 X 2 X 2 X 2 )                 |
| 8.  | 6111.11 - 6250.00 | KC 36 | ( 3 X 3 X 2 X 2 )                 |
| 9.  | 6875.00 - 7031.25 | KC 32 | ( 4 X 2 X 2 X 2 )                 |
| 10. | 7333.33 - 7500.00 | KC 30 | ( 5 X 3 X 2 )                     |



|     |          |   |          |    |    |                   |
|-----|----------|---|----------|----|----|-------------------|
| 11. | 7857.14  | - | 8035.71  | KC | 28 | ( 7 X 2 X 2 )     |
| 12. | 9166.66  | - | 9375.00  | KC | 24 | ( 3 X 2 X 2 X 2 ) |
| 13. | 11000.00 | - | 11250.00 | KC | 20 | ( 5 X 2 X 2 )     |
| 14. | 12222.22 | - | 12500.00 | KC | 18 | ( 3 X 3 X 2 )     |
| 15. | 13750.00 | - | 14062.5  | KC | 16 | ( 2 X 2 X 2 X 2 ) |
| 16. | 15714.28 | - | 16071.42 | KC | 14 | ( 7 X 2 )         |
| 17. | 18333.33 | - | 18750.00 | KC | 12 | ( 3 X 2 X 2 )     |
| 18. | 22000.00 | - | 22500.00 | KC | 10 | ( 5 X 2 )         |
| 19. | 27500.00 | - | 28125.00 | KC | 8  | ( 2 X 2 X 2 )     |

FOR QUALITY RADIO PARTS

see

PEMBLETON LABS

236 E. COLUMBIA ST.

FT. WAYNE IND.

E-1812

AMERICAN The year 1945 was the 100th anniversary of the  
MORSE telegraph, 100 years since that first message,  
"What hath God wrought?"

The telegraph continued unchanged until the coming of the teletype in 1915. The teletype, or printer, rules the roost now, but it is surprising the number of morse-men still making a living at the trade. Jobs are plentiful.

Before the coming of the printer to the news wires in 1926, all telegraph news appearing in our daily papers was of course, carried over Morse wires and 90 per cent of it over the wires of the three press associations, AP, UP and INS. These operators were the cream of the crop. It was here that the art of telegraphy reached its zenith. The word count on these wires ran around 16,000 words for a 7 hour 10 minute working day, an average of 37 words a minute!! This is an actual count with a counter attached to the mill, not a count using 5-letters to the word measuring stick, which is something entirely different.

In order to move this tremendous file, Phillips code was used. This code was a list of 6,000 official abbreviations. Some that come to mind are: F, of the; X, in which; KCN, concentration; RP, report and POW, Prince of Wales, (not prisoner of war, as one Johnny Come-Lately put it down.)

The sender, with seven or eight receivers, had to make perfect Morse to avoid breaks and repeats, which kill a wire as quickly as wire trouble. There were no combinations, as a M for Two's; no overdotting; no "Fast" bugs, with resultant stumbling; the sender "Carried the story in his head" to avoid sending reporters' errors; each letter was as even as a picket fence; each space was there. the resultant Morse was a thing of beauty and a joy forever.

As the foreword to the code book put it, "Paradoxically as it seems, it's the time lost and not the time gained that counts on any circuit. "All of this could be profitably applied to our amateur bands, don't you think?

By C. A. McKay, W9IDZ  
12/22/47

FORT WAYNE

Return postage guaranteed  
Robert E. Witte, W9PMT  
1318 Huestis Avenue  
Fort Wayne, 6, Indiana

Sec. 562 P. L. & R.

Postmaster:

If addressee has moved,  
notify sender on form

3547. Postage for notice  
guaranteed.

Charles Kronmiller  
1119 Nuttison ave.  
Ft. Wayne 6, Ind

April 1949

# HAM SPLATTER

Published by  
Fort Wayne Radio Club  
\* W9RJY \*

Vol III No. 2

April, 1949





A LETTER OF In the August issue of "Ham Splatter" ap-  
EXPLANATION peared an article entitled "An open Letter  
To All Amateurs" which created quite a stir  
in local ham circles and even some outside. Since the  
article did not carry a signature the general impression  
was assumed that it was an endorsement of the Fort Wayne  
Radio Club, when actually the club as a whole knew no-  
thing about it until it appeared in print. It must be  
reluctantly admitted by your editor that he did not have  
sufficient forethought to visualize the repercussion it  
might and did create. There was no harm meant by its in-  
clusion and we sincerely hope there was none to any in-  
dividual or group. But the article did prove one thing  
and that is the fact that "Ham Splatter" is read. The  
Fort Wayne Radio Club, however, did take action in re-  
gard to the article and passed the following motion "The  
NARC article in last issue does not express any official  
sanction or policy of the Fort Wayne Radio Club. How-  
ever, 'Ham Splatter' will continue to publish articles  
and information regarding NARC or any other organization  
which professes and interest in Amateur Radio." -- W9PMT

WE'RE It's been several months now since Ham Splatter  
SORRY has been published. We are very sorry about the  
long interval between publications part of which  
is due to your editor and publisher having so many irons  
in the fire. With a new system being tried out, we hope  
to be more regular in the future with issues. So please  
excuse the fact that some of the material may seem old.  
We hope to be more up-to-date with the next issue. An  
account of this new system mentioned above can be found  
elsewhere in this paper. -- W9PMT

OUR The cover drawing was inspired by our pres. him-  
COVER self, the account of which is given in "Splatter-  
ings", and was drawn by Lloyd Hicks, a former  
Army Sergeant who served in the Pacific Theater of Oper-  
ations during the last war. He is a personal friend of  
mine and on one of his recent visits here I explained my  
idea to him and he promptly sat down and drew the pic-  
ture for me. Thanks, Lloyd. -- W9PMT

HAM SPLATTER'S Here-to-fore the editing and publishing  
NEW POLICY of Ham Splatter has been done by not  
more than two people, except occasionally when someone other than these two submitted material to be used. Most of the work has been done by the printer and his assistant such as writing articles, editing the material when it is all together, typing all this up in rough form and then typing the stencils, mimeographing, assembling, folding and stapling, addressing, and finally stamping and mailing. All this requires approximately one week to accomplish. If a charge was made for the actual amount of time spent on each issue it would be two or three times as much as what it has been. So far the only charge has been for material and printing.

A new system is being tried out whereby Ham Splatter will be prepared by different people for each issue. After all material has been gathered and edited, it will be turned over to me for duplicating. In this way the whole job will not have to be accomplished by so few people and you may have more of a variety of articles and ideas.

This issue was prepared and edited by George McGregor and myself. The next two issues will be the responsibility of the XYL club and Ted Clifton respectively.

Contributions are welcomed from anyone. So if you have a piece or pieces you think would be interesting to others please turn it over to whoever is responsible for a certain issue, or if you do not know who that is just give it to me and I'll see that it reaches the proper person or persons. And also let us know if there is some particular feature you would like to see incorporated in Ham Splatter. In short any suggestions or criticisms are welcomed. -- W9PMT

NAVY IN OWN As you know the local Navy Club shared in  
CLUB ROOMS the use of our club room temporarily where-  
in they had set up transmitting and receiving equipment for drill work. With the completion of their own club rooms on Dwenger Ave. they have now moved their equipment to that location.

DX NOTES ZL1KN tunes the whole American 75-M phone band  
BY W9UUN on each cq. A station at Speedway City, Ind.  
puts a wonderful signal into New Zealand on  
75. Maybe the boys who get their DX the hard way would  
like to try for him. I will be glad to handle any sched-  
ule arrangements with him for the local gang.

Mark Johnson who used to be with Automatic Electric  
and here in Fort Wayne quite often in 1938 and 39 is  
CPLAS in LaRoz, Bolivia. He sends 73's to all of his old  
friends at the Telephone Co. He is one of the two active  
10-M hams in C P and puts in a nice sig.

ZS8A and his son ZS8B are the only Basutoland 10-  
Meter phone men. I had the good fortune to work 8A when  
8B was there and talked to all the hams in that country  
in one qso.

Hap Norton, W9PRO, is demonstrating what low power  
a good antenna and some operating ability can do in the  
way of 10-M DX. His latest is a VP9 in Bermuda. He has  
worked so many G's that now he just passes them up.

(Editor's note: Since this material was handed me,  
Hap has made WAC with his 10-watt, 10-Meter rig. Congrat-  
ulations, Hap, even if you can't get through the hole to  
the attic to mount the beam.)

Some of the other ones heard on 10 are as follows:  
KJ6AB, Johnson Is.; AP4R (unknown); ZC6XY, Jerusalem :  
HB9DO, HB8VX Switzerland; ILRQ, Trieste; YSLAC Salvadore  
IS1FFL, IS1AEW Sardinia, GC2RS Channel Islands, OE7SR  
Finland; TA3FAS Turkey; PK4GA Sumatra. W9PRO will not  
agree that these are rare, hi.

Oh yes, I'll bet 2 to 1 Hap works Asia this year  
and even money the contact will be with CR9AG Macau.

Not many of the Fort Wayne gang seem out for DX but  
PRO AND JYU.

W9VDE, C. Richards has a Television set and has  
disappeared from the bands because of TVI.

W9NXM, Harry Nelson, does much listening but little  
transmitting. There is a rumor that he is going to put  
up a new antenna.

(Editor's note: At last reports, W9NXM had moved to  
Philadelphia, Pa. If this is untrue, please correct us.)

DO YOU Are you a member of the Fort Wayne Radio Club?  
BELONG If not, we would certainly welcome the opportunity of placing your name on our membership list. We have some very fine programs and throughout the year an occasional social function. Meetings are every first and third Friday of each month. Dues: to join \$4, \$3 per year thereafter; students \$.50. If you would like to become a member of the club but cannot attend the meetings just fill in the form below and mail to Ward Fox, 321 W. Williams St. Following is a list of members for 1948 and if yours is not included but should be, please contact the Secretary, Ward Fox.

|     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| REW | ZXP | GWE | FJT | CLF | VDB | PMT | LXI | QCY | JIU | NXM |
| GZV | VVL | IDZ | VKX | WOG | SWH | NVF | KFS | FMJ | LGG | ENB |
| ABP | UDD | BRW | PRO | YQV | ELP | DKS | NAH | VQR | BKJ | JLT |
| ZMC | IW  |     |     |     |     |     |     |     |     |     |

No calls: J. Miller, E. Witte, R. Cummings, R. Norton M Byler, R. Guethler, H. Shideler.

### APPLICATION FOR MEMBERSHIP

Name \_\_\_\_\_ Call \_\_\_\_\_

Street \_\_\_\_\_

Postal Zone \_\_\_\_\_ Phone \_\_\_\_\_

Remarks:



(Editors Note: The following letter appeared in the June issue of "TS", the monthly publication of the Tri-State Amateur Radio Society. We reprint it here to show you that we are quite well known in the state.)

3335 College Ave.  
Indianapolis, Ind.

Editor, TS:

Many thanks for the Tri-State Sparks (TS). It is the best Club Paper in the State.....Mac, do you have any ideas on stirring up som competition between the various clubs in the state? There are 17 clubs of assorted size and make up in Indiana, yet outside of the Evansville and Fort Wayne Clubs, little activity seems to take place.

CU FD. 73

Charles Conway, W9FSG  
Section Communication Mgr., ARRL  
State of Indiana.

GET YOUR  
QUALITY RADIO PARTS  
AT  
PEMBLETON LABS  
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FORT WAYNE, IND. E-1812



1800 - 2000 KC (a) Amateur (b) Radionavigation (Loran)

In Region 2, Atlantic City authorizes the amateur, fixed, mobile (except aeronautical mobile), and radio-navigation services to employ whichever of the two bands, 1800-1900KC or 1900-2000KC, is not required for Loran in any particular area on condition that they do not cause harmful interference to Loran. Both of these bands are used by Loran in Region 2.

The United States has studied the problem of sharing among these authorized services and has reached the conclusion that it cannot be done in Region 2 without interference to the existing Loran system. However, it recognizes the desirability of taking a calculated risk and intends to permit amateur operation under the following conditions and a non-interference basis to Loran. The areas in which the amateur service will be permitted to operate and the power it may use are based upon the existing Loran system and the maximum permissible interfering signal to the Loran Skyways Signal at maximum service range. It should be noted, however, that the tolerable degree of interference can only be determined by actual operation. Furthermore, the Loran system may be expanded in specific areas. Either or both of these factors may operate to require revision of the following conditions.

1 (a) The amateur service may use in any area which ever bands, 1800-1825 and 1875-1900.KC, or 1900-1925 and 1975-2000 KC, are not required for Loran in that area, in accordance with the following conditions. The use of these frequencies by the amateur service shall not be a bar to expansion of the radionavigation (Loran) service;

- (i ) The amateur service shall not cause harmful interference to the radionavigation (Loran) service;
- (ii ) Only classes A1 and A3 emission shall be employed;
- (iii) Amateur operation shall be limited to:

Mississippi River to East Coast US. (except Florida and states bordering Gulf of Mexico) 1800-1825 KC and 1875-1900 KC, 500 watts day and 200 watts night;

Mississippi River to West Coast U.S. (except states

bordering Gulf of Mexico) 1900-1925 KC and 1975-2000 KC  
\*500 watts day and \*200 watts night.

Florida and states bordering Gulf of Mexico 1800-  
1825 KC and 1875-1900 KC 200 watts day, no operation at  
night.

Puerto Rico and Virgin Islands 1900-1925 KC and  
1975-2000 KC, 500 watts day, 50 watts night.

Hawaiian Islands 1900-1925 KC and 1975-2000 KC  
500 watts day, 200 watts night.

\*Except in State of Washington where power limited  
to 200 watts day and night power to 50 watts.

2. In any particular area the Loran System of rad-  
ionavigation operates either in 1850 or 1950 KC, the  
band occupied being 1800-1900 or 1900-2000 KC.

3500-4000 KC The U. S. recommends that the exclus-  
ive amateur service allocation discussed at Rio be  
adopted.

W9RJY PARTICIPATES During the recent Sports and Travel  
IN SPORTSMANS SHOW Show held at Baer Field from Febru-  
ary 25 to March 1 inclusive, the  
Fort Wayne Radio Club operated a transmitter under its  
own call of W9RJY from that location for the purpose of  
demonstrating to the general public what ham radio does.

An HT-9 transmitter belonging to Lowell Hargan,  
W9PWF, and Fred Haneline's SX-42 were used. Various op-  
erators were on duty throughout the duration of the show  
to handle messages that were sent from people attending  
the show to all parts of the country and a few outlying  
places. Most of the transmitting was done on 75-meter  
phone and a little on ten phone. The equipment was set  
up by Ward Fox and Carl McKay. -- W9PMT

OFFICIAL BULLETIN NR 150 At the request of ARRL the FCC  
FROM ARRL HEADQUARTERS has acted to extend existing  
AUGUST 3, 1948 temporary NFM authorization in  
the 75, 20, 10 and 6 meter  
bands until July 31, 1949. All amateurs will also be in-  
terested to know that Canadian Amateurs have been grant-  
ed portable and mobile operation on all bands under con-  
ditions similar to those for United States amateurs. AR.



NEW W9EOG, Quimby Elkins, 1133 Broadway; W8BJR, Ed-  
CALLS ward M. Palgota, 1530 Vance Ave; W2VOU, Jack Ship-  
man, Shady Grove Trailer Ct., 1235 Vance Ave.  
W9FNF, Charles Srecker, 1822 Ida St.; W9FLT, Lewis J.  
Miller, 1431 Alexander.

We know there are more hams in town than what we have a record of. I would appreciate any information as to new calls and changes in address or calls coming in from other places or those leaving town. Just call me or drop me a postal--Bob Witte, 1318 Huestis Ave., H-8884.

### SPLATTERINGS by PMT

We've kidded FJT, Bob Sievers, a lot in this column about one thing or another, but we must hand it to him and his partner Bob Ray, of WOWO, for having something solid, that of recording wedding ceremonies, etc. A tape recorder is used at the scene of a particular occasion, and then taken back to FJT's basement where he has installed disc recording equipment and dubbed off on 12-inch records and put up in album form. We hear through the grapevine that the venture is turning out better than first expected. Good luck to both bobs. This scheme may have some good effects at times when couples contemplate separation. Perhaps if they just think to take a listen to their own solemn words spoken during the marriage ceremony they will realize the seriousness of that vow and decide to try it again.

Earl Whyman, exW9EOY, who left town to take up a position with Sparton Radio Mfg. of Jackson, Michigan, has the new call of W8KCN. At last reports he was planning to go on 75-phone as the result of hearing IDZ relay a message meant for him to another Jackson ham on that band.

Of all the times PMT, Bob Witte, gets called to supply bits of information on where to buy a lockwasher or if he knows someone wishing to buy a string of hole-less pearls cheap, or who put the mud in the Mississippi River, he has to muff the one chance to make a nice hunk of dough quick. He was called by John DeYoung's program "I've Got Your Number" on WGL, and couldn't answer a question that the answer was worth \$180. Guess he must earn his money by the sweat of his brow.

Many of WOG's, Milt Welch, old acquaintances no doubt have been wondering in he made the trip back to Seattle, Wash. all o.k. We heard through a mutual friend that he did have some trouble pulling his trailer across the Bad Lands. But after being towed a couple of times he finally reached his destination. His address there is 2640 Fiftieth, S. W., Seattle, Washington.

You know--we have quite a versatile pres? If he is not winding transformers or teaching code, he's usually busy tending to one of his other various interests. But there is one of his capabilities that very few of us know about. Did you ever have one of Fred's transformers or chokes get hot and make the shack smell like a pickle factory? If so, it may be that he used the wrong "pickling" concoction to treat it in. Or it might even have pickle rind for insulation. The reason for this lies in the fact that Fred was left alone at home for a few days last summer and "mamma" left behind a nice batch of pickles to be done up while she was gone. So Fred spent three or four nights peeling, cutting and packing pickles and preparing the various ingredients for the final or last rites. The Haneline family is still hail and hardy, so it is assumed there were no ill effects from his canning or "pickling" experience.

BKJ finally got his 55-foot windmill tower up in his backyard--minus of course the windmill--and is now planning on a twenty meter rotary beam to mount on top the tower. Looks ok too, George, better than at first thought.

FMJ got in the notion of erecting a tower and has one just about ready to hoist up in place--a 60-footer we hear. He intends to make it serve two purposes--as an antenna mast and a mounting for a Yuletide decoration, furnishing a hitching post for Santa's reindeer. So look for it next Christmas season.

ENB is doing much better now that he has a 55-foot sky wire up and with 250 watts. Had some bad luck a few days after raising the antenna as one mast broke off in a strong wind and went through the neighbors bay window. But he's all fixed now and does a bang up job as NCS for QIN one or two nights a week. Ward also has a Boomerang now.

Recently SWH, Ted Clifton, came home all excited and pepped up. He had some stuff to put himself up a decent antenna with, some two-inch tubing. The boys were standing around listening to him tell just how he intended to use the tubing. One of them had a spark in his eyes but said nothing and left the OM rave on. Esther remarked what nice clothesline poles they'd make at which Ted was horrified--such nice tubing being used for such silly purposes. After arguing that under the bed was no place to hide it, Esther persuaded him to leave the tubing out in the shed. Next Day Ted couldn't concentrate on his work properly for thinking how he was going to use the tubing. Going home that night he ran three stop lights, out-distanced a speed cop and burned a black streak down the road to see if his prized tubing was still there. He didn't even turn off the ignition but jumped out of the car and ran to see if the tubing was still where he'd put it. Ted's world dropped from under him when he found the tubing missing. Just then he heard wild and joyful chattering coming from the barn. One of the boys came running to meet him, wide-eyed and excited. "Hay daddy!" he exclaimed breathlessly, "Come.. see what we got out in the barn." Stepping inside the barn the first thing he saw was a half grown figure come sliding down something shiny and round. Seems as though the boys had appropriated his tubing for a greased pole so they could play fireman.

MYJ worked KV4AA and CT3AB on 80-meter cw Oct. 18.

VMG worked KP4ES and KP4SG on 75-meter fone.

Another one of our local boys left the city late in the summer to take up duties in San Diego, Calif, reportedly. He is W9VVL, Roland Paulsen, who attended Indiana Tech. until his graduation. He was active on 10 meters.

We wish to congratulate Hap Norton, PRO, on his recent achievement of making WAC on ten meter fone with 10 watts input. So far as can be learned this is the first time this has been accomplished with that power in the states. So you see hi-power isn't the secret in working DX. Hap's antenna is a 4-element rotary beam.

BKH has discontinued his services with Farnsworth to assume a position with Sparton Radio Company of Jackson, Michigan. Dave's famile is still in New Haven.



W9ABP is the proud papa of an AN/ARC 3 transmitter and receiver for 100 - 150 Mcs. This ARC 3 is being used at the present time to replace all SCR 522's in Military Aircraft, and is considered one of the best rigs on the market for VHF work.

DMT is proud possessor of a 30 WPM certificate.

On February 4, Patricia Fritz was married to Bob Thompson of Toledo, Ohio. Pat is the daughter of Al Fritz, ex-W9USE, who now resides in Toledo.

One 80-meter enthusiast is very high these days in spirits as the result of hooking an Su on 80 on Sunday afternoon, March 13, with an RST 449X report. Now he won't even listen to the W9's. Congratulations, Ward!

BKJ has new NC-183.

We extend our deepest sympathy to W9ZMC on the death of his wife Shirley in Detroit on January 3. She missed seeing Cliff graduate from Indiana Tech. with a B S Degree in Electrical Engineering by about two months Cliff since has enrolled for a post grad course in Radio.

MYJ will soon be starting on a new home to be built in Hazelhurst. So we can look for a long silence in c.w. from there.

PMA is building--or trying to build a tape recorder but he's having a little trouble keeping the Jr. op from messing up the works.

ARRL BULLETIN You are reminded that regulations forbid  
TO amateur stations to handle third party  
ALL AMATEURS international traffic except where special arrangements have been made. US Amateurs may handle such messages with Canada, Chile and Peru, provided they are of a character that normally would not be sent by existing means of electrical communications. Traffic may be freely handled with outlying stations licensed by FCC, also with KZ5 stations and those operated by US Military Personnel anywhere in the world under regulations prescribed by Military Theatre Commands. Amateurs who have occasion to handle overseas traffic should review information on international traffic handling on page 32 of April QST.



## XYL'S CORNER

Dear Bob: I am sure you are interested in the XYL Club.

Don't you often wonder where rumors start? I am told that erroneous ideas of the XYL Club do exist in a few local minds. Remember away back in 1940 when the hams held a convention (Tri-State wasn't it?) at the Anthony Hotel? About the same time the stork mistook a few beam antennas for landing fields? Well, it seems that several of the local XYL's were congenial enough that they felt since they were the unrecognized auxiliary for the OM they might as well get together officially on the OM's night out. That worked out fb until the baby sitters unionized and then the night had to be changed. Now the OM is given his freedom the first and third Friday nights and the XYL escapes the second and fourth Friday night. Money being what it is that leaves more cash for the OM's beer.

Obviously the group is composed of wives of hams and members of the Radio Club. Any XYL of either of the above is a potential member of the XYL Club, and as such is cordially welcomed into the group. Our dues are low and our fun high. A member is hostess about once a year at which time she may entertain at the club rooms or in her home. We usually play bunco, pinochle or bridge. If a new member doesn't know the game she will be exposed to the game of her choice. I've been a beginner for years. Since we don't have a common interest (such as hamming) we feel that cards are a lot of fun. After all, Bob, we can't discuss our operations, babies and the high cost of living indefinitely. We have a Christmas party for our Club and a separate Christmas party for our Jr. ops.

A lot of things have happened since you last went to press. The most recent notable function was your Club banquet in October. All the OM's obviously enjoyed the evening very much. Isn't it true, Bob, when you're looking for congenial people you find them? In other words, the qualities you look for are the ones you find.

Another not-to-be-forgotten affair was the Halloween party at the Van Bowman's. The Huntsman's horn sounded for FMJ and BKJ as they fearlessly led some of the guests into the woods on a snipe hunt. Shooting was

poor and all returned empty handed.

A plastic demonstration was held the first part of November at which time a nice sum of money was added to our treasury.

Our last meeting for November was well attended with two charming guests present.

The next meeting (second Friday in December) will be at the club rooms with Flossie Graue as hostess. Flossie and George now have another daughter. Congratulations!

I have probably used more than my allotted space, Bob, If you know of some xyl who would like to come to our meetings but is too shy to attend alone, give me a call, Bob, and I'll personally see that she gets there.

Sincerely,  
Esther Clifton

CRIB We are a little late in offering our congrats to  
QRN the following families on their new arrivals. Nevertheless we take pleasure in announcing them anyway: The Kramers, W9CXJ, made it an even count--4 and 4, the newest one being a girl.... James Edward made his appearance at Ed Driver's, W8WKH, in June; now maybe there will be some activity in that shack (ham). Their new qth is R.R. 2, Leo Rd.... W9 Old Gray Indian, the Wayne Flickingers, have a new papoose, a little girl born September 9, making the count two girls, no boys..... A second boy was born to the Russell (Bud) Markwiths in June and so far no girls.

OFFICIAL BULLETIN NR 157 Is your license due for renewal?  
FROM AFRL HEADQUARTERS al? Amateur licenses valid at Pearl Harbor and those issued for three year terms between that date and January 1, 1946, expire on their anniversary date in 1948. If operating under such a license that has not expired, you should now apply for renewal. Proof of use of operator licenses as condition to renewal has been waived until December 31. Obtain application forms from any FCC Office, attach your old license and mail direct to FCC, Washington. Failure to act now may result in your having to go off the air.

## SWAP COLUMN

FOR SALE SX-28 Receiver, Echophone EC-1A receiver; brand new PE-103-A with base; brand new BC 459A VFO-Transmitter; BC 453 Q-5er; Johnson 200DD70 split stator 7000 volt condenser; used Bc 696 VFO transmitter. All fully guaranteed. Prices on request. W9DPL, Howard O. Severeid, 2924 Station St., Indianapolis 18, Indiana Phone Cherry 0627-J.

FOR SALE SX-25 and matching speaker \$70.00. BC-459-A; PE-103, \$10.00. Ed Driver A-29810.

FOR SALE National 101X \$60.00. Raymond Nuss, 608 W. Washington.

FOR SALE SX-24 \$45. Gene Richards, 7307 Old Trail Road H-40142.

WANTED Back issues of ARRL Handbook '26, '27, '28, '37, '38, '40; all back issues of "R-9" and "Radio". C. A. McKay, 2315 Springfield. E-2670.

FOR SALE SX-16 Super Sky Rider. Best cash offer. Wayne Palmer, 7009 Beaty, H-69662.

FOR SALE BC 348 with built in power pack. Used very little. E. R. Coolidge, 2840 S. Hanna, H-70763.

WANTED 150 or 200 mmf. .125, .20 or .25 spacing variable condenser. Bob Witte, H-8884.

FOR SALE Brand new BC 454 and Bc 455 receivers. Bob Witte, H-8884.

Return postage guaranteed  
Robert Witte, W9PMT  
1318 Huestis Avenue  
Fort Wayne 6, Indiana.

Sec. 562 P. L. & R.

Postmaster: If Addressee  
has moved, notify sender  
on form 3547. Postage for  
notice guaranteed.

*Charles Krennille*  
*1119 Nuttman Ave.*  
*City 6*







The Fort Wayne Radio Club was organized in 1939, making it one of the oldest clubs in the country. It is affiliated with the ARRL and is a member of the Indiana Radio Club.

Some of the Club's main activities are the Annual Banquet, held in early November, and participation in the ARRL Field Day. The weekly picnic, and the Ham Gear Auction are other highlights.

New beginning meetings are held on the 1st and 3rd Thursday of the month. For the coming year meetings will be held at the Indiana Radio Community Room, in the Forting Avenue Building. Meetings start at 8:00 hours..

The "Radio Club's" "Fundamentals for New Amateurs", was presented by Lee Johnson K9OAT. At our next meeting on 22 January, a program on WFF will be given by Wayne Palmer K9ABP....

### OFFICERS

|                     |                   |       |
|---------------------|-------------------|-------|
| President.....      | Wayne Palmer      | W9ABP |
| Vice-President..... | Russ Miller       | W9OHJ |
| Station Trustee.... | Robert Witte      | W9PIT |
| Directors.....      | Lee Johnson K9OAT |       |
|                     | Robert Stone      | W9JRA |
|                     | Rodger Parkerson  | K9OMT |



● Look to General Electric to keep you informed in "Ham News" of the newest tube and circuit developments.

For assistance in your amateur radio work see your G-E dealer or write to Lighthouse Larry, Bldg. 269, General Electric Company, Schenectady 5, N.Y.



**THESE VALUABLE HAM AIDS are available at your G-E Tube Dealer!**

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| Amateur Transmitting Tubes<br>Prices and Concise Data .....      | ETX-19 |
| Receiving Tubes (Important Ratings<br>and Characteristics) ..... | ETX-15 |

Electronics Department

**GENERAL  ELECTRIC**

Schenectady 5, N. Y.

Cincinnati



October 1992

# H A M S P L A T T E R



FORT WAYNE  
RADIO CLUB

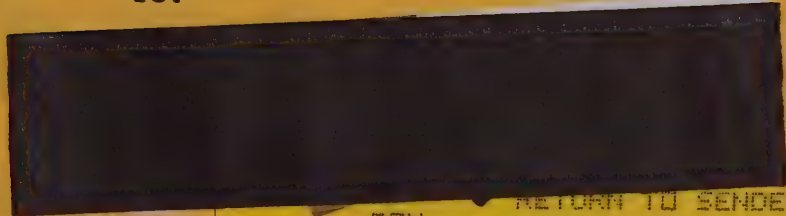
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FORT WAYNE, IND 46885

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# FORT WAYNE RADIO CLUB, INC:

P. O. Box 15127  
Fort Wayne, IN 46885

# W9TE

146.76/16 146.91/31  
444.875/449.875

## APPLICATION FOR MEMBERSHIP OR RENEWAL ☐

\*\*

Call: \_\_\_\_\_ Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ County: \_\_\_\_\_

State: \_\_\_\_\_ Zip: \_\_\_\_\_ - \_\_\_\_\_ U.S.A.

GRID LOCATOR: \_\_\_\_\_

Home telephone #: ( ) \_\_\_\_\_ Work telephone #: ( ) \_\_\_\_\_

Class:   N     T     G     A     E   ARRL Member   Yes     No   Need an "ELMER"?   Yes     No  

PLEASE RENEW YOUR ARRL MEMBERSHIP THROUGH THE FORT WAYNE RADIO CLUB, INC. IT'S EASY! SEND YOUR ARRL RENEWAL FORM AND A CHECK (PAYABLE TO FWRC) TO THE CLUB.

- 1) Family Membership (immediate family)
- 2) Regular Membership (licensed member)
- 3) Student Membership (full time student)
- 4) Associate Member (unlicensed member)

1 Year    6 Mos.

1) \$21.00    \$10.50    \_\_\_\_\_

2) \$15.00    \$7.50    \_\_\_\_\_

3) \$ 6.00    \$3.00    \_\_\_\_\_

4) \$15.00    \$7.50    \_\_\_\_\_

## FWRC 70TH ANNIVERSARY LAPEL PIN ☐

Lapel pin shows the W9TE logo; suitable for dress-up or casual wear. *Special Price \$4.95* ☐  
if ordered with new or renewed membership.

Quantity desired: \_\_\_\_\_ Price each: \$6.95    Total: \$ \_\_\_\_\_

## QSL CARD ORDER FORM - Version 10/91 ☐

**\*\* PLEASE TYPE - YOUR QSL CARD DATA WILL BE TAKEN  
DIRECTLY FROM THIS FORM!!!**

CIRCLE ONE COLOR:    Red    Brown (1 color)    Maroon

CIRCLE OTHER INFORMATION: Any 3 plus ARRL Diamond

ARRL Diamond    ARRL Life Member    10x10 # \_\_\_\_\_

WAS    WAC    DXCC    VUCC    5BDXCC    FWDXA    QCWA    OTC

QUANTITY \_\_\_\_\_

FWRC cards are single side,  
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\*\*\*The Fort Wayne Radio Club, Inc. and the printer are not responsible for  
errors caused by illegible or incorrect information on this form.\*\*\*

This order MUST be fully paid before it will be placed. FWRC breaks even on \$. For reorders of existing cards, simply send a sample card and payment. You will receive a post card when your QSL order has been received by the club. Additional QSL card shipping to your home is extra cost and by agreement ONLY.

P                      QTY.    100       200       500       1000

R                      COST + SHIP:    \$11.00    \$14.00    \$20.00    \$34.00

I                      Price includes printer's shipping charge of \$1.00

C                      Total: \$ \_\_\_\_\_

E

S

TOTAL ENCLOSED \$ \_\_\_\_\_ CHECK NUMBER \_\_\_\_\_ DATE PAID \_\_\_\_\_



# H A M S P L A T T E R

A NEWSLETTER FOR THE FORT WAYNE RADIO CLUB MEMBERS

VOL. XVIII ISSUE 10

OCTOBER 1992

## From the Prez -Dave KF9DE

Fort Wayne Radio Club On The Air is now over. For me, the 10 Meter band was the best for contacts. The bands weren't in the best condition. I was still able to find plenty of people willing to play our game. Now we wait to see how many log sheets come in. If you were on the air for the Club, we will need a copy of your log sheets to use for verification. Send to Al Waters, Communications Manager, or bring to the Club meeting. Thanks to all who helped put The Fort Wayne Radio Club on the air.

### Election Of Officers:

This month's meeting will take place on September 18, 1992 at the Salem Church of Christ on Lake avenue at 7:30pm EST.

This will be the election meeting. Be sure to come and have your say as to who will run YOUR club in 1993. Current nominations include:

**President** Dave Beltz KF9DE  
**Vice Pres.** Dan Spencer N9GWG  
**Secretary** Carol Burke WB9RUS

**Treasurer** Bob Streeter AB9U  
Jean Anderson

**Comm MGR** Al Waters WD9FAQ  
Jim Wolfe KR9U

**Directors** Jim Pliett K9OMA  
Charlie Hall KC9LA Kris Staller KF9AW  
Frank Jaworski K1FJ Kathy Raptis WD9DGA

(Additional nominations will be accepted at the time of election)

## Club Handbooks-

This is an informative book which contains all information pertaining to the Club, including membership information (history, repeater procedures, constitution & bylaws), services (QSL card supplies, QSL card exchanges, callbooks, ARRL membership dues, RFI committee), and activities. If you are a dues-paid member and have not yet received yours, please ask for one at any club meeting - or arrange for someone to pick one up for you. Out-of-state members will receive one by mail by year's end.

## FWRC Christmas Party

-Carole, WB9RUS

Mark December 5th on your calendar for the Fort Wayne Radio Club Christmas party. The time: 6:30pm. The place: The Lantern, 4420 Ardmore Av. Paid reservations must be made in advance (price TBA). Contact Carole Burke 637-1989 or Jean Anderson 637-6426. There will be a \$5 gift exchange for those wishing to participate. Just address the gift to a "man" or "woman" and please sign your name.

I want to take this time to thank the ladies who were such a great help in getting the food set up and served at the Hamfest. They made a difficult job very easy. They are, and I hope I don't forget anyone, Jean Anderson, Kathy Raptis, Lynn Hall, Donna Hall, Dee Kindred, Mary Rose, Teresa Deventer, Lisa Wolfe, Jeanette Burke, Sandy VanderDyne, Becky Douglas, Dorothy Ceullar, Anne Pliett, and Marla. Thank you one and all,  
Carole WB9RUS.

A big THANK YOU to those of you who helped man the Hamfest with gate sales, parking, talk-in, security, table set-up, and clean-up operations.

-Frank K1FJ, Dan N9GWG, Al WD9FAQ,  
Bill WD9HII, Kris KF9AW



## Indiana Law and Scanners

Sometime last month, one of our local hams was pulled over by the State Police for a traffic violation but was then detained for an hour because the officer noticed that his car was equipped with mobile scanning radios. His radio frequency banks were searched and he had to demonstrate that his radios were incapable of transmitting on those frequencies used by the police. After a lengthy search of the rule books, the officer concluded that the ham was probably operating in violation of State law, and let him off with a warning and reprimand.

Many of the new ham radios, especially 2 meter handhelds, are capable of receiving and scanning frequencies outside of the band. This includes the aircraft, public service, and police VHF bands. Indiana Law, 35-44-3-12, Section 12 (a) defines *A person who knowingly or intentionally possesses a portable police radio commits unlawful use of a police radio, a class B misdemeanor.*

Does this mean that all hams possessing portable scanners are violating the law in Indiana? By no means! Section 12 (b) clearly states that *this section (12a) does not apply to:*

- (1) *A governmental entity;*
- (2) *A regularly employed law enforcement officer;*
- (3) *A common carrier of persons for hire whose vehicles are used in emergency service;*
- (4) *A public service or utility company whose vehicles are used in emergency service;*
- (5) *A person who has written permission from the chief executive officer of a law enforcement agency to possess a portable police radio;*
- (6) *A person who holds an amateur radio license issued by the Federal Communications Commission;*

If you operate mobile or portable, you should keep a copy of this law and a copy of your license with you. It may help you avoid misunderstandings.

For Sale: \* Mosley TA-33 Tri-band beam....\$100.00  
Dave Beltz, KF9DE 625-4220 \* Rohn 48 FT. tower, 4 element 20 Meter beam and rotor. Al Biddle K9FW. \* Yeasu FT415 2 meter HT. 1st prize from hamfest, won by a non-ham, will be sold at this month's meeting.

## Communications Corner -AL, WD9FAQ

A reminder of upcoming events: 16-18 October 1992 is the Jamboree on the Air - Charlie Hall, KC9LA is the point of contact for this activity. I'm sure that he could use the help on this one. I did it last year. It was a lot of fun, however it was a bit cold. This year it will be held at Oubashe State Park. (I've seen it spelled Qubashe, but it is actually the French spelling for 'Wabash' i.e. oui, meaning 'yes' is pronounced 'Wee', 'Ouibashe' is pronounced 'Weebash'). The other item that comes to mind is the Santa Visit to the local hospitals just before Christmas. I haven't set this up yet, but I am about to do so. I will need some help from the rest of the Club. There is a lot of satisfaction from doing this. Just to see the faces light up is great. Just ask anyone who has done this in the past. We'll see you at both of these events.

I just finished typing the calendar entries for this month. Wow, what a bunch of contests! It sure is easy to see that it's contest time again. I wish each and every one of you good luck and good scores.

## Membership Dues

To join the Club and receive your copy of the FWRC Handbook, "Hamsplatter" subscription, and full voting rights and privileges of membership, please fill out the form on the inside cover of this newsletter. Present the form with your payment to Bob Streeter, AB9U, at any meeting, or mail to the address on the cover. (Use the 6 month rate if joining for 1992).

Baby print - in an attempt to conserve paper space and to reduce printing costs, I tried a smaller type set this month. Give me your feedback on which size you prefer. After all, "you own the Club".

Do you have an interesting article, ad, or cartoon you would like to have published in the "Hamsplatter"? Please send it to me, Kris Staller, KF9AW. You can reach me at 219/487-3286 days, 219/489-9644 eves, or on the KA9A or K1FJ-2 packet boards on 144.91 Mhz.

# The Hamsplatter

Is published monthly by the Fort Wayne Radio Club,  
PO Box 15127, Fort Wayne, Indiana 46885.

President: Dave Beltz, KF9DE  
Vice President: Dan Spencer, N9GWG  
Secretary: Carole Burke, WB9RUS

Treasurer: Bob Streeter, AB9U  
Communications: Al Waters, WD9FAQ  
Editor: Kristopher Staller, KF9AW

Repeaters: 146.16/.76 146.31/.91 (Autopatch) 449.875/444.875

# J.O.T.A



## WHO:

THE FORT WAYNE RADIO CLUB

W9TE

AND THE

MIAMI DISTRICT OF THE ANTHONY WAYNE

SCOUT COUNCIL

(APPROX 12-15 SCOUT TROOPS)

## WHEN:

16, 17, 18 OCTOBER

(FRIDAY PM THRU SUNDAY)

## WHERE:

BLUFFTON STATE PARK

## OBJECTIVE:

- AMATEUR RADIO EXPOSURE TO SCOUTS
- SCOUTS CONTACTING OTHER SCOUTS  
WORLDWIDE

## NEEDED:

OPERATORS FOR HF PHONE STATION

## CONTACT:

CHARLIE HALL KC9LA

627-2604 (H)

429-6504 (W)



FORT WAYNE  
RADIO CLUB, INC.

FORT WAYNE, IN





| Sun                                                              | Mon | Tue             | Wed                         | Thur                      | Fri                         | Sat                                                               |
|------------------------------------------------------------------|-----|-----------------|-----------------------------|---------------------------|-----------------------------|-------------------------------------------------------------------|
| 1                                                                | 2   | 3               | 4<br>West Coast<br>Qual Run | 5                         | 6                           | 7<br>ARRL Sweep<br>stakes (CW)▶                                   |
| 8<br>▶ARRL CW Sweep<br>WIAW Qual Run                             | 9   | 10<br>TNT 20:00 | 11                          | 12<br>FWRC Board<br>19:30 | 13                          | 14<br>ARRL EME ▶<br>Euro RTTY DX▶<br>Czech DX(OK)▶<br>* FW Fest * |
| 15<br>▶ARRL EME<br>▶Euro RTTY DX<br>▶Czech DX (OK)<br>*FW Fest * | 16  | 17<br>TNT 20:00 | 18                          | 19                        | 20<br>FWRC Meeting<br>19:30 | 21<br>ARRL phone<br>Sweepstakes▶                                  |
| 22<br>▶ ARRL Phone<br>Sweepstakes<br>WIAW Qual Run               | 23  | 24<br>TNT 20:00 | 25                          | 26                        | 27                          | 28<br>CQ World-wide<br>DX, CW ▶                                   |
| 29<br>▶CQ World-wide<br>DX, CW                                   | 30  |                 |                             |                           |                             |                                                                   |

[ KEY: ▶ Event Begins ▶ Event Ends ] See QST for all Rules



SEPTEMBER 1992

# H A M S P L A T T E R



FORT WAYNE  
RADIO CLUB

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W9TE

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## APPLICATION FOR MEMBERSHIP OR RENEWAL ☐

\*\*

Call: \_\_\_\_\_ Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ County: \_\_\_\_\_

State: \_\_\_\_\_ Zip: \_\_\_\_\_ - \_\_\_\_\_ U.S.A.

GRID LOCATOR: \_\_\_\_\_

Home telephone #: ( ) \_\_\_\_\_ Work telephone #: ( ) \_\_\_\_\_

Class:   N     T     G     A     E   ARRL Member   Yes     No   Need an "ELMER"?   Yes     No  

PLEASE RENEW YOUR ARRL MEMBERSHIP THROUGH THE FORT WAYNE RADIO CLUB, INC. IT'S EASY! SEND YOUR ARRL RENEWAL FORM AND A CHECK (PAYABLE TO FWRC) TO THE CLUB.

- 1) Family Membership (immediate family)
- 2) Regular Membership (licensed member)
- 3) Student Membership (full time student)
- 4) Associate Member (unlicensed member)

1 Year    6 Mos.

- |    |         |         |       |
|----|---------|---------|-------|
| 1) | \$21.00 | \$10.50 | _____ |
| 2) | \$15.00 | \$7.50  | _____ |
| 3) | \$ 6.00 | \$3.00  | _____ |
| 4) | \$15.00 | \$7.50  | _____ |

## FWRC 70TH ANNIVERSARY LAPEL PIN ☐

Lapel pin shows the W9TE logo; suitable for dress-up or casual wear. *Special Price \$4.95* ☐  
if ordered with new or renewed membership.

Quantity desired: \_\_\_\_\_ Price each: \$6.95    Total: \$ \_\_\_\_\_

## QSL CARD ORDER FORM - Version 10/91 ☐

**\*\* PLEASE TYPE - YOUR QSL CARD DATA WILL BE TAKEN  
DIRECTLY FROM THIS FORM!!!**

CIRCLE ONE COLOR:    Red    Brown (1 color)    Maroon

CIRCLE OTHER INFORMATION:    Any 3 plus ARRL Diamond

ARRL Diamond    ARRL Life Member    10x10 # \_\_\_\_\_

WAS    WAC    DXCC    VUCC    5BDXCC    FWDXA    QCWA    OTC

QUANTITY \_\_\_\_\_

FWRC cards are single side,  
two color, satin finish.

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P  
R  
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C  
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S

QTY.    100    200    500    1000

COST + SHIP:    \$11.00    \$14.00    \$20.00    \$34.00

Price includes printer's shipping charge of \$1.00

Total: \$ \_\_\_\_\_

TOTAL ENCLOSED \$ \_\_\_\_\_ CHECK NUMBER \_\_\_\_\_ DATE PAID \_\_\_\_\_

# H A M S P L A T T E R

A NEWSLETTER FOR THE FORT WAYNE RADIO CLUB MEMBERS

VOL. XVIII ISSUE 9

SEPTEMBER 1992

## From the Prez -Dave KF9DE

It's hamfest time. At this reading we are down to the wire. Everything seems to be going very well. One committee that always seems to get over looked is the clean up committee. We need people to help with this. Let Frank (K1FJ) or one of the other hamfest committee people know you will be there to help. Come on out and support your club event.

It's time to be thinking about Club elections. Jim Wolf (KR9U) is chairing the nominating committee. He will have a slate of nominees to present at the Sept. meeting. At this time nominations will also be taken from the floor. These will be held till the Oct. meeting at which time the elections will be held.

This month's meeting will take place on September 18, 1992 at the Salem Church of Christ on Lake avenue at 7:30pm EST. The featured topic will ARES/RACES with Howard Pletcher, N9ADS.

## Club Handbooks-

Are still available to any dues-paid member. If you have not yet received yours, please ask for one at any club meeting - or arrange for someone to pick one up for you. Out-of-state members will receive one by mail by year's end.

## New EOC ID Cards

-Howard, N9ADS Allen County Emergency Coordinator

Finally, everything is in place to issue new Allen County EOC/ARES/RACES ID cards with the current Sheriff's signature. One session has already been held at the EOC and additional sessions are planned at the September meetings of ACARTS and of the Fort Wayne Radio Club to make it as easy as possible for people to get the photo taken and fill out the paperwork. You will notice that I labeled this an "EOC/ARES/RACES" ID as we plan to issue only one standardized card for use in an emergency situation, which should help make it more recognizable and simplify access to restricted areas.

We will plan to be set up at the meeting site about 7:00. Come a little early so that we can get most of the photos done before the meeting starts.

"Why do I need an EOC Card?" you may be asking, as you know you plan to show up if an emergency really happens and don't want to bother registering and getting your photo taken. If we ever have a major emergency situation in Allen County (snow storms and floods don't really count), you will find that you will probably not be allowed close enough to the scene to be of any use if you do not have some form of official identification.



## New EOC ID Cards

(Continued)

We found in several of our simulated tests in the past year, hams without a card were not allowed into the scene, even after explaining who they were and why they were there, while others wearing a card would not even be checked any further as they walked in.

Having a card does not obligate you to respond in any given emergency, although it will make you eligible to receive phone calls at the most inopportune times as we try to round up the help needed. Note that the cards will not be issued on the spot--the Sheriff's Department is running security checks before the cards are signed. If you can't make it to one of the two meetings long enough to have your photo taken, contact WD9HII, KF9HO, or me so that we can arrange for another time.

### Notice of contest:

#### *Fort Wayne Radio Club On The Air.*

1400z Oct. 3 thru 2300z Oct. 4, 1992. That's 9:00AM 10/3 thru 6:00PM 10/4. The club call sign will be W9TE. Look for us around 3.940 - 7.290 - 14.290 - 21.360 - 28.350 DX stations work 5 club members - statesides work 10 club members. To receive certificate: Mail a list of contacts with date, time (GMT) and Band to:

Fort Wayne Radio Club

PO Box 15127

Fort Wayne, In. 46885 USA

This is the notice that went to CQ and QST. Hopefully it will be in the Oct. magazines. We ask that club members try to find some time to be on the air that week end. Let people know that you are with the Fort Wayne Radio Club and that they should look for other club members on the bands. Be sure and give them the club address. Keep this by your radio for reference. Lets have a good time and let the world know we're here.

## Code & Theory Classes -BILL, WA9RAP

Fall classes for NOVICE and TECH PLUS will begin on September 14, 1992 at the ITT Education Center on 4919 Coldwater Rd, Ft Wayne, from 7:00 to 9:00pm. Tuition will be \$5 plus books. For more information, please call 485-8044.

## Communications Corner -AL, WD9FAQ

Saturday September 12th is the Summit City Hamfest! It's time to get out and support the Fort Wayne Radio Club, buy any last minute items to improve your station for the contest/DX season, upgrade your license class, and all the other good stuff. I'll see you at the Allen County Fairgrounds! ENJOY!

There's a new event this season. It's the 'Fort Wayne Radio Club on the Air'. The concept is for us to get on the air and talk to other hams world-wide. I'm not talking about just a quick 'contest style contact', but let's talk up the Fort Wayne Radio Club award and help our new friend earn it. I hope that I'll have my station upgrades completed in time.

Not too long ago, I was asked about the W1AW and West Coast Qualifying Runs. For anyone who might not know what they are, here's the general idea: You copy the code sent by the station in question and submit a copy. It will then be checked for accuracy and you will be issued a certificate for the fastest code speed that you copied successfully. Neat Wallpaper!

### Summit City Hamfest Approaching...

We'll need help with ticket sales, parking, security, and talk-in. Please volunteer at least one hour of your time. Call Frank, K1FJ, at 485-2634. Pass the enclosed flyer to your friends and co-workers. Thanks!

## News Bits -WSYT Report

ICOM America has recalled all P2AT 144-MHz and 440-MHz Handi-Talkie transceivers due to a problem with leaking internal lithium batteries. They will replace the battery at no charge and extend the warranty on modified radios an additional year. Call 206/454-7619 for recall instructions.

A Packet message is circulating about a petition filed proposing a **no-theory amateur license**. John Johnston, FCC Personal Radio Branch Chief (Washington, DC) confirmed the existence of this proposal during the VEC Conference. His view was "no code, no theory, no privileges". You can anticipate that this petition will be dismissed without a comment period.

And from World Radio:

The FCC is finally cracking down on the **Freebanders** illegally operating between 27.405 and 28 MHz. Unfortunately, they don't stop at 28 MHz. When propagation is good on 10M you can often hear CB-type stations operating on the lower portion of the 10M amateur band. A lot of these stations are outside of the US, but there are quite a few stateside CBers using our frequencies. The truckers seem to like 28.085, in particular. I was disturbed to read that some of these freeband operators being caught were amateurs. Why would anyone go to the effort to obtain an amateur license and then operate illegally on 27 MHz?

Even more disturbing is the amount of illegal operation on the amateur bands *by amateurs*. On several occasions I have heard US stations operating SSB below 28.3. A Canadian station was overheard advising two US stations that they were operating out of the US phone band, only to be told that it was none of his business; there was less QRM on that frequency and, "we are not interfering with anyone so why should anyone care?" One of the stations used his call sign but the other station "was his CB buddy who was going to get his license so they were checking out his radio".

Another instance of two stations operating in the phone band: one commented that his new license was the no-code Technician Class. The other station was an Extra. A third station challenged the Technician licensee for operating on 10M which was a violation of his class of license. After some discussion, the Extra Class amateur suggested that he and the Tech licensee should QSY back down to 27.995 where they had originally begun their conversation.

I suspect that some of the new amateurs joining our ranks are bringing their "I-didn't-pay-any-attention-to-rules-on-CB-so-why-should-I-here?" attitude with them. Perhaps the actions the FCC is now taking will help change those attitudes toward rules and regulations. - K5MIL

## Club Jackets

You've seen them around, and you can still get one. Fill out the form below and mail with check to, or call:

*Signs 'N Things*  
207 S. Cavin St.  
Ligonier, IN 46767  
(219)-894-3525

### FORT WAYNE RADIO CLUB JACKET ORDER

NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_  
\_\_\_\_\_

PHONE \_\_\_\_\_

SIZE:            SM    MD    LG    X-LG

LINING:

( ) Quilted (\$41.25) \$ \_\_\_\_\_

( ) Flannel (\$37.75) \$ \_\_\_\_\_

Call Sign:

\_\_\_\_\_

Number of characters in callsign

\_\_\_\_\_ X 0.35 = \$ \_\_\_\_\_

Your first name:

\_\_\_\_\_

Extra Lines available @ \$3 per line.

Total ----- \$ \_\_\_\_\_

5% Indiana Tax ---- \$ \_\_\_\_\_

Total Due ----- \$ \_\_\_\_\_



It still looks good for a September 11 launch of STS-47. The folks at Kennedy Space Center have overcome a number of problems, and the orbiter Endeavour is set to roll out of the hanger in the next day or so to be mated with the external tank and boosters.

Please pass the word especially to our friends in the Eastern hemisphere, since that's when I'll be awake and doing most of the voice QSO's. Packet should be strong over the US. As a reminder, we will operate split.

Packet (Call sign W5RRR-1): 145.55 downlink, 144.70 uplink

Voice (Call signs N5QWL, 7L2NJY): 145.55 downlink,  
uplink (except Europe): 144.95, 144.91, 144.97  
uplink (Europe only): 144.80, 144.75, 144.70

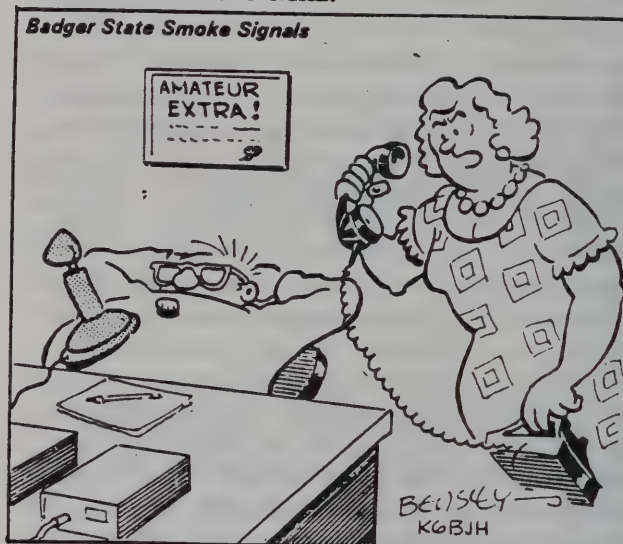
## Items for Sale:

Dumb Terminal - DMXL 30W Terminal w/ B&W monitor, keyboard, and Rixon modem (T212A). Best offer. Contact Don Moehlenkamp via Larry Smith, K9VFE.

## Membership Dues

Those of you joining the Fort Wayne Radio Club after July, please subscribe using the 6 Month rate. This will simplify the bookkeeping, as memberships run through the end of the year. To join the Club and receive your copy of the FWRC Handbook, "Hamsplatter" subscription, and full voting rights and privileges of membership, please fill out the form on the inside cover of this newsletter. Present the form with your payment to Bob Streeter, AB9U, at any meeting, or mail to the address on the cover.

Do you have an interesting article, ad, or cartoon you would like to have published in the "Hamsplatter"? Please send it to me, Kris Staller, KF9AW. You can reach me at 219/487-3286 days, 219/489-9644 eves, or on the KA9A or K1FJ-2 packet boards on 144.91 Mhz.



I'M CALLING THE FCC --- THERE'S NO WAY YOU COULD HAVE MOVED FAST ENOUGH TO COPY 20 WORDS PER MINUTE!

# The Hamsplatter

Is published monthly by the Fort Wayne Radio Club,  
PO Box 15127, Fort Wayne, Indiana 46885.

**President:** Dave Beltz, KF9DE  
**Vice President:** Dan Spencer, N9GWG  
**Secretary:** Carole Burke, WB9RUS

**Treasurer:** Bob Streeter, AB9U  
**Communications:** Al Waters, WD9FAQ  
**Editor:** Kristopher Staller, KF9AW

**Repeaters:** 146.16/.76 146.31/.91 (Autopatch) 449.875/444.875

# COMMUNICATIONS CALENDAR ... September

| Sun                                                                             | Mon                 | Tue             | Wed                         | Thur                      | Fri                                          | Sat                                                              |
|---------------------------------------------------------------------------------|---------------------|-----------------|-----------------------------|---------------------------|----------------------------------------------|------------------------------------------------------------------|
|                                                                                 |                     | 1<br>TNT 20:00  | 2<br>West Coast<br>Qual Run | 3                         | 4                                            | 5<br>Asian DX ▶<br>LZ-DX Cntst ▶<br>[FOC late sum<br>CW QSO] ▶   |
| 6<br>*Findlay Hamfest*<br>◀ Asian DX<br>◀ LZ-DX Cntst<br>N. Amer Sprint<br>(CW) | 7<br>Labor Day      | 8<br>TNT 20:00  | 9                           | 10<br>FWRG Board<br>19:30 | 11<br>W1AW Qual Run                          | 12<br>Europe DX ▶<br>ARRL VHF QSO▶<br>*Summit City*<br>*Hamfest* |
| 13<br>◀ Europe DX<br>N. Amer Sprint<br>(Phone)                                  | 14<br>◀ARRL VHF QSO | 15<br>TNT 20:00 | 16                          | 17                        | 18<br>W1AW Qual Run<br>FWRG Meeting<br>19:30 | 19<br>ARRL 10 GHz<br>Cumulative ▶                                |
| 20<br>◀ ARRL 10 GHz<br>Cumulative                                               | 21                  | 22<br>TNT 20:00 | 23                          | 24                        | 25                                           | 26<br>CQ RTTY DX ▶                                               |
| 27<br>◀ CQ RTTY DX                                                              | 28                  | 29<br>TNT 20:00 | 30                          |                           |                                              |                                                                  |

[ KEY: ▶ Event Begins ◀ Event Ends ] See QST for all Rules

| Sun                                                           | Mon               | Tue                                      | Wed | Thur                     | Fri                         | Sat                                                                        |
|---------------------------------------------------------------|-------------------|------------------------------------------|-----|--------------------------|-----------------------------|----------------------------------------------------------------------------|
|                                                               |                   |                                          |     | 1                        | 2                           | 3<br>FWRC on Air ▶                                                         |
| 4<br>▶FWRC on Air<br>UCWC Contest<br>*Ashland Fest*           | 5                 | 6<br>TNT 20:00<br>West Coast<br>Qual Run | 7   | 8<br>FWRC Board<br>19:30 | 9                           | 10<br>WIAW Qual Run<br>Penn QSO ▶                                          |
| 11<br>[ Illinois<br>▶Penn QSO<br>*Utica-Shelby<br>Hamfest*    | 12<br>QSO Party ] | 13<br>TNT 20:00                          | 14  | 15                       | 16<br>FWRC Meeting<br>19:30 | 17<br>ARRL EME ▶<br>QPR ARCI ▶<br>All Gemany ▶<br>[ Boy Scout<br>Jamboree] |
| 18<br>▶ARRL EME<br>▶QPR ARCI<br>▶All Germany<br>*Milan 'Fest* | 19                | 20<br>TNT 20:00                          | 21  | 22                       | 23                          | 24<br>WIAW Qual Run<br>CQ WW DX ▶                                          |
| 25<br>▶CQ WW DX                                               | 26                | 27<br>TNT 20:00                          | 28  | 29                       | 30                          | 31                                                                         |

[ KEY: ▶ Event Begins ◀ Event Ends ] See QST for all Rules





HAMFEST

SEPTEMBER 12, 1992  
SATURDAY

# SUMMIT CITY

## FORT WAYNE, INDIANA

- o Date: Saturday, September 12, 1992
- o Time: 8 am to 3 pm Indiana Time  
(7 am to 2 pm Ohio/Michigan time)
- o Place: Allen County Fairgrounds,  
5 miles north of Fort Wayne (see  
map on reverse side)

### FLEAMARKET:

Open air building with table, chair  
and elect. - \$10.00  
(advance reservations)

Tailgate - \$7.00

NOTE: Due to scheduling conflicts, the  
air conditioned building is not  
available this year.

- o COMMERCIAL VENDORS
- o DOOR PRIZES AND DRAWINGS
- o OTHER:
  - o FOOD CONCESSIONS
  - o AMATEUR TELEVISION DEMONSTRATION

### ADMISSION:

- o \$3.00 in advance
- o \$5.00 day of event
- o Kids under 12 free

To obtain advance tickets,  
send to:

Summit City Hamfest  
P.O. Box 15127  
Fort Wayne, IN 46885



ALL FLEAMARKET RESERVATIONS  
INCLUDE 1 ADMISSION TICKET

TALK-IN -- W9TE REPEATERS:

2 METERS: 146.16 IN/ 146.76 OUT  
440: 449.875 IN/ 444.875 OUT

## ADVANCE TICKET AND TABLE RESERVATION FORM

Send a **SELF-ADDRESSED, STAMPED ENVELOPE** with your payment to:  
Fort Wayne Radio Club, P.O. Box 15127, Fort Wayne, Indiana 46885

OPEN AIR TABLE - \$10.00  
(ONE ADMISSION TICKET INCL.)

ADMISSION TICKETS - \$3.00

TOTAL: \$

NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

CITY/STATE: \_\_\_\_\_

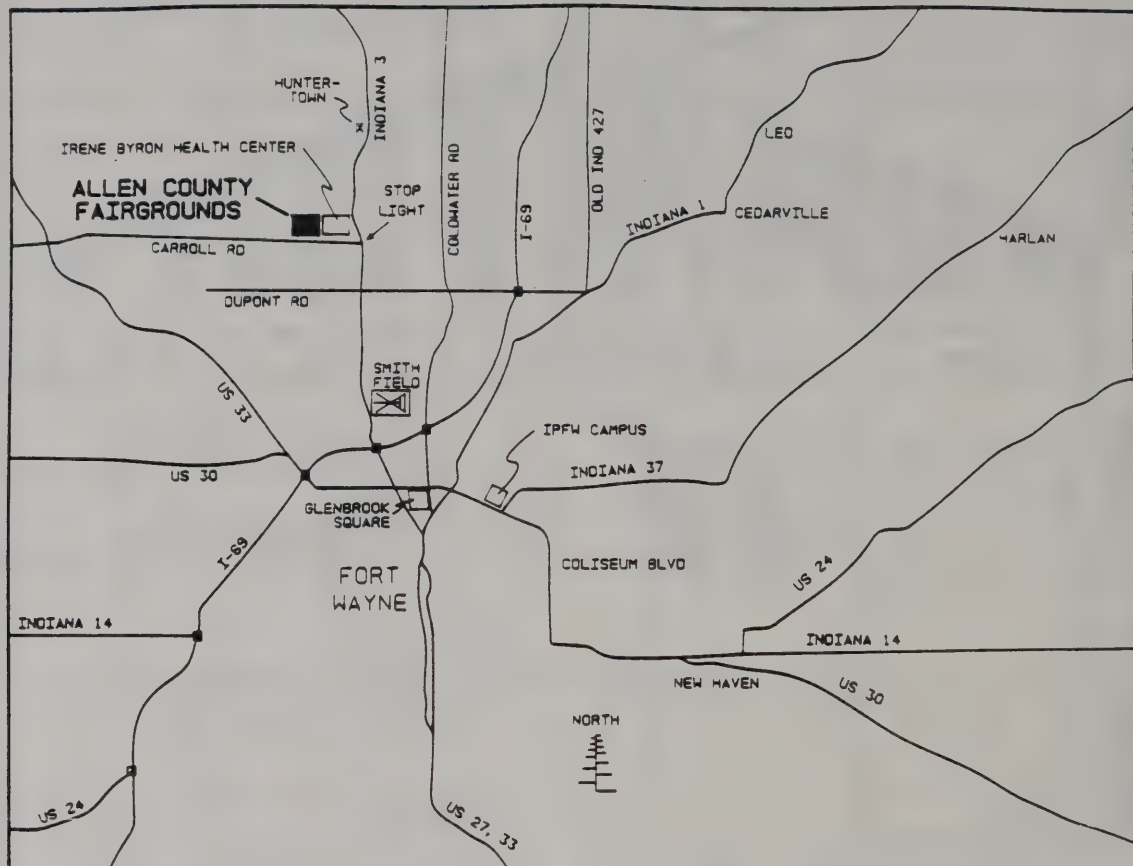
ZIP: \_\_\_\_\_



The SUMMIT CITY HAMFEST is an ARRL Registered Hamfest



# SUMMIT CITY HAMFEST



The Allen County Fairgrounds are located 4 miles North of I-69 on State Road 3. From I-69, take the Kendallville North exit (111B). Turn left (west) on Carroll Rd. The Fairgrounds are about 1/2 mile west on the North side of Carroll Rd.

From:  
SUMMIT CITY HAMFEST  
P. O. BOX 15127  
FORT WAYNE, IN 46885



TO:

FORT WAYNE  
RADIO CLUB, INC.

# H A M S P L A T T E R



FORT WAYNE  
RADIO CLUB

FORT WAYNE, IN

FROM: THE FORT WAYNE RADIO CLUB  
P.O. BOX 15127  
FORT WAYNE, IND 46885

BULK RATE  
U.S. POSTAGE  
PAID  
FORT WAYNE, IN  
PERMIT 2072

ADDRESS CORRECTION REQUESTED

TO:

# FORT WAYNE RADIO CLUB, INC.

P. O. Box 15127  
Fort Wayne, IN 46885

W9TE

146.76/16 146.91/31  
444.875/449.875

## APPLICATION FOR MEMBERSHIP OR RENEWAL ☐

\*\*

Call: \_\_\_\_\_ Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ County: \_\_\_\_\_

State: \_\_\_\_\_ Zip: \_\_\_\_\_ - \_\_\_\_\_ U.S.A.

GRID LOCATOR: \_\_\_\_\_

Home telephone #: ( ) \_\_\_\_\_ Work telephone #: ( ) \_\_\_\_\_

Class:   N     T     G     A     E   ARRL Member   Yes     No   Need an "ELMER"?   Yes     No  

PLEASE RENEW YOUR ARRL MEMBERSHIP THROUGH THE FORT WAYNE RADIO CLUB, INC. IT'S EASY! SEND YOUR ARRL RENEWAL FORM AND A CHECK (PAYABLE TO FWRC) TO THE CLUB.

## FWRC 70TH ANNIVERSARY LAPEL PIN ☐

Lapel pin shows the W9TE logo; suitable for dress-up or casual wear. *Special Price \$4.95* ☐  
if ordered with new or renewed membership.

Quantity desired: \_\_\_\_\_ Price each: \$6.95 Total: \$ \_\_\_\_\_

## QSL CARD ORDER FORM - Version 10/91 ☐

**\*\* PLEASE TYPE - YOUR QSL CARD DATA WILL BE TAKEN  
DIRECTLY FROM THIS FORM!!!**

CIRCLE ONE COLOR: Red Brown (1 color) Maroon

CIRCLE OTHER INFORMATION: Any 3 plus ARRL Diamond

ARRL Diamond ARRL Life Member 10x10 # \_\_\_\_\_

WAS WAC DXCC VUCC 5BDXCC FWDXA QCWA OTC

QUANTITY \_\_\_\_\_

FWRC cards are single side,  
two color, satin finish.

\*\*\*The Fort Wayne Radio Club, Inc. and the printer are not responsible for  
errors caused by illegible or incorrect information on this form.\*\*\*

P  
R  
I  
C  
E  
S

QTY. 100 200 500 1000

COST + SHIP: \$11.00 \$14.00 \$20.00 \$34.00

Price includes printer's shipping charge of \$1.00

Total: \$ \_\_\_\_\_

This order **MUST** be fully paid before it will be placed. FWRC breaks even on \$. For reorders of existing cards, simply send a sample card and payment. You will receive a post card when your QSL order has been received by the club. Additional QSL card shipping to your home is extra cost and by agreement **ONLY**.

TOTAL ENCLOSED \$ \_\_\_\_\_ CHECK NUMBER \_\_\_\_\_ DATE PAID \_\_\_\_\_



# HAMSPLATTER

A NEWSLETTER FOR THE FORT WAYNE RADIO CLUB MEMBERS

Vol. XVII issue 21

November 1991

## November 15 Club Meeting

For the November meeting, we have an old friend and the founder of the first 2 meter repeater in the Fort Wayne Area, Mr. Roger Parkerson, K90ET. Roger has been in business for many years providing commercial Radio Communications. Roger will bring us up to date on the latest and greatest concepts in radio communication for the 90's. Also, it is that all important time to elect officers for the coming year.

P.S. We have nominations for all officers, so don't be afraid to show up. C U there.

## Fort Wayne Radio Club Plans Banquet

This year the Fort Wayne R. C. will have a Christmas Banquet on **Saturday - Dec. 7, 1991 6:30 pm at Hilgers Restaurant**. The meal will be buffet style with a drink and dessert. The cost will be about \$11.80 per person, or less. Plan on a gift exchange. We will be phoning you later with more details.

## As We Move On... Jim Pliett, K9OMA

Two years can seem like eternity

when you're doing something you intensely dislike. Or, it seems like just last week when things go your way.

Well, it seems like just last week that I was voted in as President of FWRC. Its been a good two years, the club treasury has doubled, as well as rekindling interest in club activities. We now have an annual hamfest, a really fun and interesting Field day, our repeater has more activity than ever, we have had a couple of really great banquets and many, many, interesting Friday night speakers at our club meetings. Please don't get the idea that I am cramping my arm patting myself on the back, none of these things could have happened without the many, hours of dedication from the officers, Board members, Hamsplatter editor, hamfest chairman, and those many club members who have volunteered their time and energy.

The future looks bright for the club, we are now in the process of assembling the first ever amateur television repeater in the Ft. Wayne area. (More about this ambitious project in another column.) We have

(It's better to sleep on what you plan to do than to be kept awake by what you've done)



an ongoing and excellent code and theory class. Just last month the club became intimately involved with the Boy Scouts Jamboree on the Air. Now, its time for me to step down; in passing the gavel I'm personally challenging the new officers and Board to lead the Club into even greater achievements. I also offer this simple triangle for success: A club should, educate, serve and most off all be fun. In this my last column as president, I want to say straight from my heart, thank you for letting me be someone special to all of you, its been a wonderful experience I'll never forget.

73's Jim - K90MA

## **FWRC Will Provide Area with the First ATV Repeater**

At the October meeting, club members voted to fund the first ever Amateur radio fast scan television repeater in the Fort Wayne area. So what does this mean to Mr. Joe Average Ham ? And, how can he possibly benefit from something seemingly as high tech as this?

Let's back up a little bit for some history. As far back as the 40's, there has been Amateur television (ATV). It was more a curiosity then, indeed, equipment was very rare. In the early sixties ATV started to become more prevalent due to surplus cameras from many commercial TV stations, as well as the availability of surplus mobile radios, which operated in the 450 - 470 Mhz band. Because of technical

problems associated with receiving and transmitting in the 450 Mhz band, and the high price tag for TV cameras, ATV remained only moderately accessible to the average Ham. This began to change in the 70's, VCR's and cameras were suddenly available as these devices began their appearance as consumer devices.

The semiconductor manufacturerers had also come on line with cheaper RF power sources for the 450 Mhz band. So here we are now; a recent poll of Club members shows 1/4 of them own camcorders and I suspect that nearly 100% won either a VCR or computer. Most of the Ham Radio magazines carry ads for ATV equipment.

The ATV mode is now truly in the appliance operator's realm. Let's explore the cost and minimum equipment for an ATV station: A transmitter, PC Electronics TXA5-70, \$89; A receiver, PC Electronics TV2G, \$49; Antennas, KLM 440 6X, \$59; A TV set/portable or otherwise; a computer, camcorder or B&W camera, \$125. Total price \$322. Coupled with a 12V power supply a no frills station can be put on the air.

You will have a two watt station that should be able to be seen all around the city with a good antenna location.

The signal generated by ATVers is completely compatible with your standard TV set by simply tuning to channel 63. There are also sound

modules that can be added to your ATV Xmtr which will allow audio to be heard thru a standard TV.

The next obvious step is an ATV repeater. With such low power exciters and directional antennas, the need for a repeater becomes obvious. There are some technical problems unique to ATV which make ATV repeaters difficult to set up, but none insurmountable. The main problem is the 4.5 Mhz bandwidth. This is a 2X problem because most ATV Xmtrs transmit on double sideband. A little math shows that a repeater takes a real chunk of the 420-450 band. Because of this and other communications modes on the 70 cm (420 - 450Mhz), CW, SSB, satellite, and FM repeaters, we have opted to go to a cross band operation. Under this protocol, the frequency band plan allows ATV repeaters an input on 439.25 and output on 923.25 Mhz. Dont worry about the 900 Mhz receive, convertors are available and just a few dollars more than the 400 Mhz variety. Antennas can be made from commercial UHF TV antennas.

Some of the practical uses of ATV? Well, the first is public service. Bob Hire, Director of Emergency Preparedness is aware of the potential to use ATV during an emergency where the ATV could supply the "eyes" where officials only had ears before. Of course, with TV you can show your friends equipment and schematics over the air. We could show radio club meetings to those unfortunate enough not to be able to

attend meetings. The NASA select channel available to TVRO owners could be rebroadcast over ATV. Hams have permission to re-broadcast these events. As you can see, this ATV can be pretty neat stuff.

If this article has raised any questions, I plan to be available, and can hopefully answer your questions at the club meetings.

Some of the equipment manufacturers for ATV gear are listed later in this issue.

See you on ATV, 73's.... Jim, K9OMA

## SCOUT JAMBOREE ON THE AIR (JOTA) by Charlie Hall, KC9LA

A big thank you goes out to all those who helped with the JOTA activities at the County 4H Fairgrounds on 19 October! The operation was a big success! Many Scouts had a lot of fun getting introduced to amateur radio through this activity.

The Fort Wayne Radio Club callsign, W9TE, was well represented and heard around the world as the voice of the Anthony Wayne Area Council (AWAC) Boy Scouts during their Fall Camp-O-Ral. This outing was specifically scheduled to coincide with the worldwide Scout Jamboree on the Air which is held every October.

The Scouts were able to communicate with many other similar Scout outings.



At the more local level, the Scouts were able to communicate between the two stations on location both visually and with voice over Amateur Television (ATV). As anyone who was there can attest, there was never a dull moment on ATV!

Two HF SSB and two UHF ATV stations were set up on location at the Camp-O-Ral. Scouts kept all four operating positions busy continuously for the seven hour operating period. We never saw any "dead" times. The 20 meter SSB station had major pile-ups all afternoon from other Scouts wanting to talk to our Scouts!

All those who participated know that this was a very rewarding and worthwhile effort both for Scouting and Amateur Radio. Many Amateur Radio "seeds" were "planted" through this activity which was attended by approximately 900 Scouts. Several Scouts indicated possible interest in learning more about Amateur Radio and possibly attending the next FWRC code and theory classes. Follow up with this may yield some new HAMS!

Thanks goes out to our Scout hosts for giving us the opportunity to "show off" our hobby: Al Cyr, Scoutmaster, Troop 19, Miami District; and John Reinsch, Scoutmaster, Troop 49, Thunderbird District. Thanks again to all those who participated, both members and non-members of FWRC: KF9AW, WD9FAQ, WD9HII, KD9IF, KA9JJM, K9KI, K9LA, KC9LA, KC9MB, KC9ML, N9MKB1, K9OMA, WA0TVK, KR9U, WB8UGV, WA9YOS

## Personal Business and Ham Radio or the Next Order of Business.....

The FCC is contemplating changing or simplifying our part 97 rules to allow limited business affairs to be conducted on Ham frequencies on a secondary - no interference basis.

In part, this stems from the recent debacle the FCC found itself in when a business phone number (900 typ) found its way onto the packet BBS system. As you recall, some amateurs found themselves in violation of the business rule when their BBS's automatically forwarded the phone number.

As we are all aware, the Amateur Service is suppose to be "without pecuniary interest", noncommercial. This has lead to sometimes stretching, or liberal interpretation as to what is, or what are, business transmissions. The Ham bands are unique in this regard. Look at how we have attempted to police this rule; some swap nets dont allow you to mention prices for your equipment. Some BBS ops get upset over the same, or even listing a Hamfest on their boards cause it might seem to be a commercial message. This is one area we are all a little paranoid about.

Hopefully, this change can be sorted out and implemented to the betterment of the hobby and our mental health.

Blessed are the incumbents, for they shall inherit their own mess..



# HAM SPLATTER



FORT WAYNE  
RADIO CLUB

FORT WAYNE, IN

FROM: THE FORT WAYNE RADIO CLUB  
P.O. BOX 15127  
FORT WAYNE, IND 46885

BULK RATE  
U.S. POSTAGE  
PAID  
FORT WAYNE, IN  
PERMIT 2072

ADDRESS CORRECTION REQUESTED

*Remove*

TO:



# FORT WAYNE RADIO CLUB, INC.

P. O. Box 15127  
Fort Wayne, IN 46885

W9TE

146.76/16 146.91/31  
444.875/449.875

## APPLICATION FOR MEMBERSHIP OR RENEWAL ☐

\*\*

Call: \_\_\_\_\_ Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ County: \_\_\_\_\_

State: \_\_\_\_\_ Zip: \_\_\_\_\_ - \_\_\_\_\_ U.S.A.

GRID LOCATOR: \_\_\_\_\_

Home telephone #: ( ) \_\_\_\_\_ Work telephone #: ( ) \_\_\_\_\_

Class:   N     T     G     A     E   ARRL Member   Yes     No   Need an "ELMER"?   Yes     No  

PLEASE RENEW YOUR ARRL MEMBERSHIP THROUGH THE FORT WAYNE RADIO CLUB, INC. IT'S EASY! SEND YOUR ARRL RENEWAL FORM AND A CHECK (PAYABLE TO FWRC) TO THE CLUB.

- |    |                                           |
|----|-------------------------------------------|
|    | 1) Family Membership (immediate family)   |
|    | 2) Regular Membership (licensed member)   |
|    | 3) Student Membership (full time student) |
|    | 4) Associate Member (unlicensed member)   |
|    | <u>1 Year</u> <u>6 Mos.</u>               |
| 1) | \$21.00    \$10.50    _____               |
| 2) | \$15.00    \$7.50    _____                |
| 3) | \$ 6.00    \$3.00    _____                |
| 4) | \$15.00    \$7.50    _____                |

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**\*\* PLEASE TYPE - YOUR QSL CARD DATA WILL BE TAKEN  
DIRECTLY FROM THIS FORM!!!**

CIRCLE ONE COLOR: Red Brown (1 color) Maroon

CIRCLE OTHER INFORMATION: Any 3 plus ARRL Diamond

ARRL Diamond ARRL Life Member 10x10 # \_\_\_\_\_

WAS WAC DXCC VUCC 5BDXCC FWDXA QCWA OTC

QUANTITY \_\_\_\_\_

FWRC cards are single side,  
two color, satin finish.

\*\*\*The Fort Wayne Radio Club, Inc. and the printer are not responsible for  
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This order MUST be fully paid before it will be placed. FWRC breaks even on \$. For reorders of existing cards, simply send a sample card and payment. You will receive a post card when your QSL order has been received by the club. Additional QSL card shipping to your home is extra cost and by agreement ONLY.

P  
R  
I  
C  
E  
S

QTY. 100 200 500 1000

COST + SHIP: \$11.00 \$14.00 \$20.00 \$34.00

Price includes printer's shipping charge of \$1.00

Total: \$ \_\_\_\_\_

TOTAL ENCLOSED \$ \_\_\_\_\_ CHECK NUMBER \_\_\_\_\_ DATE PAID \_\_\_\_\_

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P.S. We have nominations for all officers, so don't be afraid to show up. C U there.

## Fort Wayne Radio Club Plans Banquet

This year the Fort Wayne R. C. will have a Christmas Banquet on **Saturday - Dec. 7, 1991 6:30 pm at Hilgers Restaurant.** The meal will be buffet style with a drink and dessert. The cost will be about \$11.80 per person, or less. Plan on a gift exchange. We will be phoning you later with more details.

## As We Move On... Jim Pliett, K9OMA

Two years can seem like eternity

when you're doing something you intensely dislike. Or, it seems like just last week when things go your way.

Well, it seems like just last week that I was voted in as President of FWRC. Its been a good two years, the club treasury has doubled, as well as rekindling interest in club activities. We now have an annual hamfest, a really fun and interesting Field day, our repeater has more activity than ever, we have had a couple of really great banquets and many, many, interesting Friday night speakers at our club meetings. Please don't get the idea that I am cramping my arm patting myself on the back, none of these things could have happened without the many, hours of dedication from the officers, Board members, Hamsplatter editor, hamfest chairman, and those many club members who have volunteered their time and energy.

The future looks bright for the club, we are now in the process of assembling the first ever amateur television repeater in the Ft. Wayne area. (More about this ambitious project in another column.) We have

(It's better to sleep on what you plan to do than to be kept awake by what you've done)



an ongoing and excellent code and theory class. Just last month the club became intimately involved with the Boy Scouts Jamboree on the Air. Now, its time for me to step down; in passing the gavel I'm personally challenging the new officers and Board to lead the Club into even greater achievements. I also offer this simple triangle for success: A club should, educate, serve and most off all be fun. In this my last column as president, I want to say straight from my heart, thank you for letting me be someone special to all of you, its been a wonderful experience I'll never forget.

73's Jim - K90MA

## **FWRC Will Provide Area with the First ATV Repeater**

At the October meeting, club members voted to fund the first ever Amateur radio fast scan television repeater in the Fort Wayne area. So what does this mean to Mr. Joe Average Ham ? And, how can he possibly benefit from something seemingly as high tech as this?

Let's back up a little bit for some history. As far back as the 40's, there has been Amateur television (ATV). It was more a curiosity then, indeed, equipment was very rare. In the early sixties ATV started to become more prevalent due to surplus cameras from many commercial TV stations, as well as the availability of surplus mobile radios, which operated in the 450 - 470 Mhz band. Because of technical

problems associated with receiving and transmitting in the 450 Mhz band, and the high price tag for TV cameras, ATV remained only moderately accessible to the average Ham. This began to change in the 70's, VCR's and cameras were suddenly available as these devices began their appearance as consumer devices.

The semiconductor manufacturerers had also come on line with cheaper RF power sources for the 450 Mhz band. So here we are now; a recent poll of Club members shows 1/4 of them own camcorders and I suspect that nearly 100% won either a VCR or computer. Most of the Ham Radio magazines carry ads for ATV equipment.

The ATV mode is now truly in the appliance operator's realm. Let's explore the cost and minimum equipment for an ATV station: A transmitter, PC Electronics TXA5-70, \$89; A receiver, PC Electronics TV2G, \$49; Antennas, KLM 440 6X, \$59; A TV set/portable or otherwise; a computer, camcorder or B&W camera, \$125. Total price \$322. Coupled with a 12V power supply a no frills station can be put on the air.

You will have a two watt station that should be able to be seen all around the city with a good antenna location.

The signal generated by ATVers is completely compatible with your standard TV set by simply tuning to channel 63. There are also sound

modules that can be added to your ATV Xmtr which will allow audio to be heard thru a standard TV.

The next obvious step is an ATV repeater. With such low power exciters and directional antennas, the need for a repeater becomes obvious. There are some technical problems unique to ATV which make ATV repeaters difficult to set up, but none insurmountable. The main problem is the 4.5 Mhz bandwidth. This is a 2X problem because most ATV Xmtrs transmit on double sideband. A little math shows that a repeater takes a real chunk of the 420-450 band. Because of this and other communications modes on the 70 cm (420 - 450Mhz), CW, SSB, satellite, and FM repeaters, we have opted to go to a cross band operation. Under this protocol, the frequency band plan allows ATV repeaters an input on 439.25 and output on 923.25 Mhz. Dont worry about the 900 Mhz receive, convertors are available and just a few dollars more than the 400 Mhz variety. Antennas can be made from commercial UHF TV antennas.

Some of the practical uses of ATV? Well, the first is public service. Bob Hire, Director of Emergency Preparedness is aware of the potential to use ATV during an emergency where the ATV could supply the "eyes" where officials only had ears before. Of course, with TV you can show your friends equipment and schematics over the air. We could show radio club meetings to those unfortunate enough not to be able to

attend meetings. The NASA select channel available to TVRO owners could be rebroadcast over ATV. Hams have permission to re-broadcast these events. As you can see, this ATV can be pretty neat stuff.

If this article has raised any questions, I plan to be available, and can hopefully answer your questions at the club meetings.

Some of the equipment manufacturers for ATV gear are listed later in this issue.

See you on ATV, 73's.... Jim, K9OMA

## SCOUT JAMBOREE ON THE AIR (JOTA) by Charlie Hall, KC9LA

A big thank you goes out to all those who helped with the JOTA activities at the County 4H Fairgrounds on 19 October! The operation was a big success! Many Scouts had a lot of fun getting introduced to amateur radio through this activity.

The Fort Wayne Radio Club callsign, W9TE, was well represented and heard around the world as the voice of the Anthony Wayne Area Council (AWAC) Boy Scouts during their Fall Camp-O-Ral. This outing was specifically scheduled to coincide with the worldwide Scout Jamboree on the Air which is held every October.

The Scouts were able to communicate with many other similar Scout outings.



At the more local level, the Scouts were able to communicate between the two stations on location both visually and with voice over Amateur Television (ATV). As anyone who was there can attest, there was never a dull moment on ATV!

Two HF SSB and two UHF ATV stations were set up on location at the Camp-O-Ral. Scouts kept all four operating positions busy continuously for the seven hour operating period. We never saw any "dead" times. The 20 meter SSB station had major pile-ups all afternoon from other Scouts wanting to talk to our Scouts!

All those who participated know that this was a very rewarding and worthwhile effort both for Scouting and Amateur Radio. Many Amateur Radio "seeds" were "planted" through this activity which was attended by approximately 900 Scouts. Several Scouts indicated possible interest in learning more about Amateur Radio and possibly attending the next FWRC code and theory classes. Follow up with this may yield some new HAMS!

Thanks goes out to our Scout hosts for giving us the opportunity to "show off" our hobby: Al Cyr, Scoutmaster, Troop 19, Miami District; and John Reinsch, Scoutmaster, Troop 49, Thunderbird District. Thanks again to all those who participated, both members and non-members of FWRC: KF9AW, WD9FAQ, WD9HII, KD9IF, KA9JJM, K9KI, K9LA, KC9LA, KC9MB, KC9ML, N9MKB1, K9OMA, WA0TVK, KR9U, WB8UGV, WA9YOS

## Personal Business and Ham Radio or the Next Order of Business.....

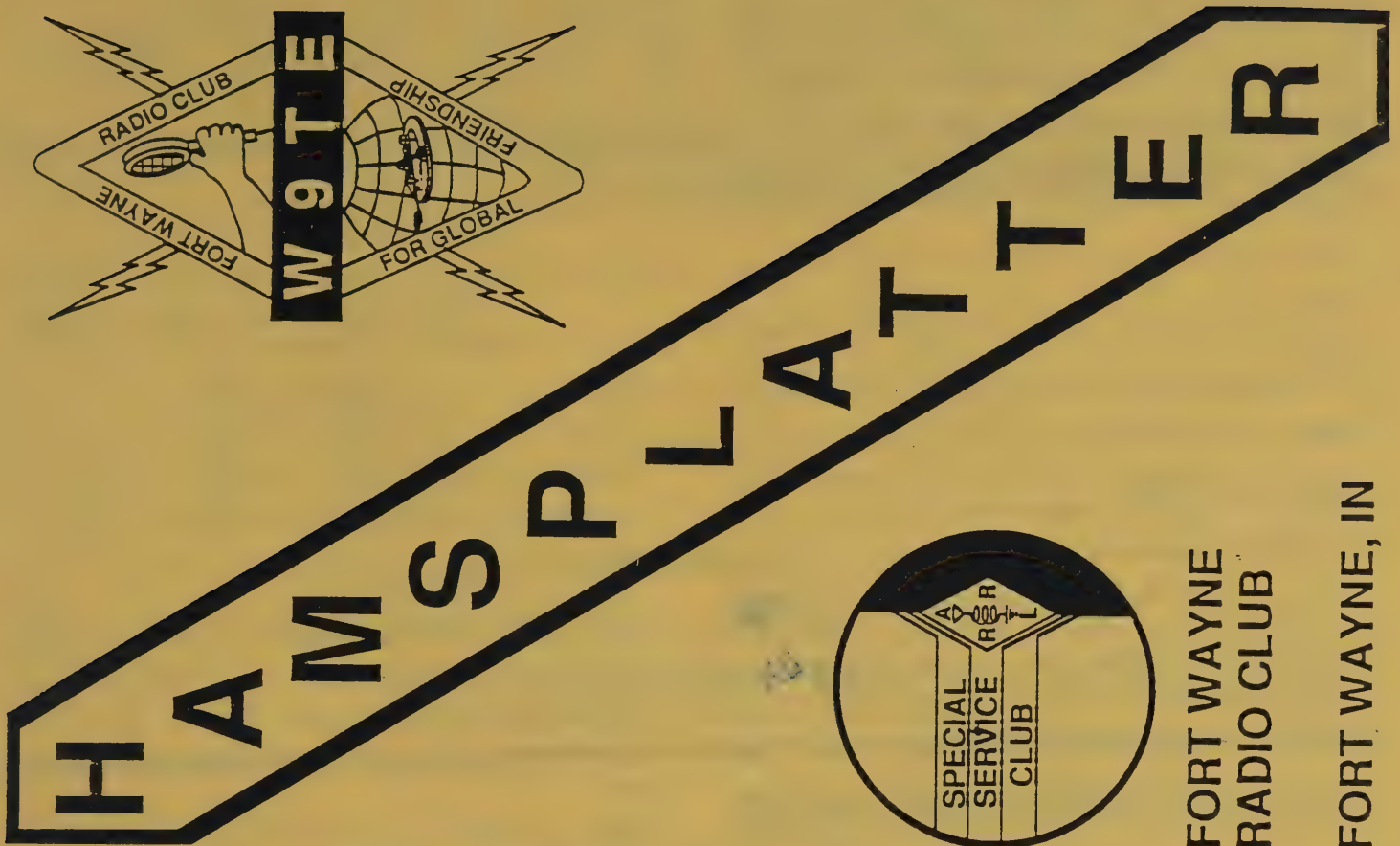
The FCC is contemplating changing or simplifying our part 97 rules to allow limited business affairs to be conducted on Ham frequencies on a secondary - no interference basis.

In part, this stems from the recent debacle the FCC found itself in when a business phone number (900 typ) found its way onto the packet BBS system. As you recall, some amateurs found themselves in violation of the business rule when their BBS's automatically forwarded the phone number.

As we are all aware, the Amateur Service is suppose to be "without pecuniary interest", noncommercial. This has lead to sometimes stretching, or liberal interpretation as to what is, or what are, business transmissions. The Ham bands are unique in this regard. Look at how we have attempted to police this rule; some swap nets dont allow you to mention prices for your equipment. Some BBS ops get upset over the same, or even listing a Hamfest on their boards cause it might seem to be a commercial message. This is one area we are all a little paranoid about.

Hopefully, this change can be sorted out and implemented to the betterment of the hobby and our mental health.

Blessed are the incumbents, for they shall inherit their own mess..



FORT WAYNE  
RADIO CLUB

FORT WAYNE, IN

FROM: THE FORT WAYNE RADIO CLUB  
P.O. BOX 15127  
FORT WAYNE, IND 46885

BULK RATE  
U.S. POSTAGE  
PAID  
FORT WAYNE, IN  
PERMIT 2072

ADDRESS CORRECTION REQUESTED

TO:





# FORT WAYNE RADIO CLUB, INC.

P. O. Box 15127  
Fort Wayne, IN 46885

W9TE

146.76/16 146.91/31  
444.875/449.875

## APPLICATION FOR MEMBERSHIP OR RENEWAL ☐

\*\*

Call: \_\_\_\_\_ Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ County: \_\_\_\_\_

State: \_\_\_\_\_ Zip: \_\_\_\_\_ - \_\_\_\_\_ U.S.A.

GRID LOCATOR: \_\_\_\_\_

Home telephone #: ( ) \_\_\_\_\_ Work telephone #: ( ) \_\_\_\_\_

Class:    N    T    G    A    E ARRL Member    Yes    No Need an "ELMER"?    Yes    No

PLEASE RENEW YOUR ARRL MEMBERSHIP THROUGH THE FORT WAYNE RADIO CLUB, INC. IT'S EASY! SEND YOUR ARRL RENEWAL FORM AND A CHECK (PAYABLE TO FWRC) TO THE CLUB.

- 1) Family Membership (immediate family)
- 2) Regular Membership (licensed member)
- 3) Student Membership (full time student)
- 4) Associate Member (unlicensed member)

1 Year    6 Mos.

- |    |         |         |       |
|----|---------|---------|-------|
| 1) | \$21.00 | \$10.50 | _____ |
| 2) | \$15.00 | \$7.50  | _____ |
| 3) | \$ 6.00 | \$3.00  | _____ |
| 4) | \$15.00 | \$7.50  | _____ |

## QSL CARD ORDER FORM - Version 08-1990 ☐

**\*\* PLEASE TYPE - YOUR QSL CARD DATA WILL BE TAKEN DIRECTLY FROM THIS FORM!!!**

QTY.    COST + SHIP:

100    \$11.00

200    \$14.00

500    \$20.00

1000    \$34.00

CIRCLE ONE COLOR:    Red    Brown (1 color)    Maroon

CIRCLE OTHER INFORMATION:    Any 3 plus ARRL Diamond

ARRL Diamond    ARRL Life Member    10x10 # \_\_\_\_\_

WAS    WAC    DXCC    VUCC    5BDXCC    FWDXA    QCWA    OTC

Price includes printer's shipping charge of \$1.00

FWRC cards are single side, two color, satin finish.

Total: \$ \_\_\_\_\_

This order **MUST** be fully paid before it will be placed. FWRC breaks even on \$. For reorders of existing cards, simply send a sample card and payment. You will receive a post card when your QSL order has been received by the club. Additional QSL card shipping to your home is extra cost and by agreement **ONLY**.

\*\*\*The Fort Wayne Radio Club, Inc. and the printer are not responsible for errors caused by illegible or incorrect information on this form.\*\*\*

## FWRC 70TH ANNIVERSARY LAPEL PIN ☐

Lapel pin shows the W9TE logo; suitable for dress-up or casual wear. *Special Price \$4.95* if ordered with new or renewed membership. ☐

Quantity desired: \_\_\_\_\_ Price each: \$6.95    Total: \$ \_\_\_\_\_

TOTAL ENCLOSED \$ \_\_\_\_\_ CHECK NUMBER \_\_\_\_\_ DATE PAID \_\_\_\_\_

# H A M S P L A T T E R

A NEWSLETTER FOR THE FORT WAYNE RADIO CLUB MEMBERS

Vol. XVII issue 20

October 1991

## October 18th Meeting....

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The second topic will be videos from an ATV balloon launched from Danville, Ill. The balloon carried a live TV camera sending pictures from 70,000 ft. via 440 Mhz, a 2 mtr to 440 repeater, and a ten mtr. beacon. The 3rd topic is a proposal to put up an ATV Repeater sponsored by the club.

## Around the Shack with Jim ...

Jim Pliett, K9OMA

Are you getting your antenna work completed? Its certainly been an ideal fall season for that kind of work, and if this past weekend is any indication, time is getting short to get up on that tower and take care of whatever needs cleaned or fixed up. I've been busy, some of it shows but a lot sure would make you wonder what I've been up to. One success is the repeater, putting

on my technical committee hat, if you have used the repeater lately, there is a remarkable improvement in sensitivity. A little tweeking here and there and Adolph, WA9WTJ, and I got it up by about 15db. Gene, W9AJD, has installed a digital message playback and recorder that will be a usefull feature. Right now the audio level is low, but this will be fixed soon. The intended use is to put reminders such as meeting notices, hamfest and special alerts and whatever out over the repeater. This device can store up to ten seconds of message and it can be changed via radio any time.

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### Where did it go? Or the not yet found Department

Part of the treasurer's job includes listing the clubs assets. We have been accumulating a list of club-owned equipment and its current location. Several items that are thought to belong to the club, but that have not yet been located are listed below. If you know the whereabouts of any of the items please call me, Bob - AB9U, at 447-5665.

7/8 in. 50 Ohm HELIAX 300 ft.  
RG 213 or 8214 coax about 50 ft  
Dremmel Marking Tool model 290 d18  
Phelps Dodge 440 Mhz Ant & Mast  
Anchor-Brush dynamic headphones  
Ten-Tec Century 21 & Manuals  
Ten-Tec Century Calibrator  
SST-T-1 Antenna Tuner  
Hand Key on wood base, 2 each  
VibraPlex keyer S/N 47856  
Club History Files

After the first of the year, a complete list of known and located equipment will be published. Please identify any club equipment in your possession that is not on that list.

Your cooperation will be appreciated by all members.

### THE FWRC\ARRL OUTGOING DX QSL CARD SERVICE

the following reminders of club services from  
Bob,AB9U

The Fort Wayne Radio Club offers an outgoing DX QSL card forwarding service through the ARRL. This service is free to club members who also belong to the ARRL. The FWRC supports all handling costs (\$2/pound + shipping) of the ARRL Outgoing QSL service. To use this service, there are three main requirements:

1 - You must supply the mailing label from QST magazine. This label contains your ARRL membership number for FWRC and ARRL use.

2 - The QSL cards must be CLEARLY marked with the recipient's call and sorted in alpha-numeric sequence. Please arrange the cards in alpha-numeric order by prefix, increasing from 1 to 0 to A to Z. Numeric prefixes should come before alpha prefixes. Within a prefix group, please arrange cards in the same manner (numbers and letters in increasing sequence). Please put the whole package together with rubber bands, and include your QST label.

If a QSL card goes to a manager instead of the station you

worked, please make that clearly noted on the card by placing the manager's call sign on the back of the card. Special WPX prefixes should be placed in the standard alpha-numeric sequence, since the ARRL has a standard process for these cards.

3 - A club officer will be glad to accept your cards and pass them on to the club outgoing DX QSL card manager (currently Al, WD9FAQ, the FWRC Communications Manager). Contact any club officer at a regular meeting, or make other satisfactory arrangements. Cards will be forwarded to the ARRL Outgoing Bureau at regular intervals.

## THE N7RO DX QSL SERVICE

The FWRC also provides club members who are not ARRL members with the highly effective N7RO DX QSL SERVICE. Any club member may send DX QSL cards via the N7RO service, although only ARRL members may use the ARRL service. The FWRC pays for the first two cards in any one individual shipment, and the individual pays for any additional cards at the current rate ( N7RO charges \$1.00 per 7 cards as of Feb 1991, please round up to the next highest dime). Steps two and three (above, as for ARRL cards) apply, and in addition no QSL cards may be older than 12 months (except "TNX QSL" cards). You must also submit the proper payment for the use of this service (the treasurer

always suggests that you submit a personal check made out to the FORT WAYNE RADIO CLUB, since it provides proof of payment). All N7RO cards must be in a separate stack from ARRL cards, and clearly marked as N7RO QSL SERVICE cards. The club will forward groups of cards at regular intervals to N7RO with a common payment. The N7RO service is particularly effective for DX stations using a QSL manager.

## INCOMING DX QSL CARDS

You must provide the ARRL incoming DX cards bureau with a SASE in order to receive any DX cards. The FWRC is not involved in this process. The bureau of your callsign must have your envelopes, not the bureau in your current living area. You do not have to be an ARRL member to use the incoming DX QSL bureau. If your callsign has a "9", contact the Northern Illinois DX Association, Box 519, Elmhurst, IL 60126.

## STATESIDE QSL CARDS

You are on your own. All QSLs should be mailed directly to the station involved. There are no stateside bureaus for handling your normal QSL. QSL cards must not

be sent through either the ARRL or N7RO DX QSL bureaus.



## DX QSL MAILING COST SUMMARY SHEET

### ARRL SERVICE:

Weight of ARRL-bound cards:

---

ARRL FEE: FWRC CH#: \_\_\_\_\_

AMOUNT: \_\_\_\_\_  
based on \$2.00 per pound,  
to next highest pound

Shipping Cost to ARRL:

---

TOTAL ARRL COST:

---

based on ARRL fee +  
shipping cost

### N7RO SERVICE:

Number of users:

---

Total Number of cards submitted:

---

TOTAL USER CARD COST:

---

based on 7 cards at \$1.00  
FWRC CHECK #: \_\_\_\_\_

AMOUNT: \_\_\_\_\_

FWRC PAID CARD COST:

---

based on 2 cards per user x per  
card fee of \$0.143

USER FEE PAYMENT:

---

based on total cost less FWRC paid  
cards should be enclosed with .  
cards sent to FWRC

Shipping cost to N7RO:

---

NET N7RO COST:

---

based on FWRC paid cards + shipping

FWRC CHECK \$ \_\_\_\_\_ less user  
payment \$ \_\_\_\_\_

=====

PAYMENT FOR HANDLING:

ARRL shipping:

---

N7RO shipping:

---

other costs:

---

TOTAL DUE TO CARD HANDLER:

---

FWRC CHECK #: \_\_\_\_\_

=====

TOTAL FWRC COSTS:

ARRL COST:

---

N7RO COST:

---

TOTAL COST OF QSL SERVICE:

---

### Fort Wayne Radio Club - QSL Card Purchase Program

Looking for a convenient Christmas  
gift for a ham? Need to drop a hint  
to your favorite Santa? FWRC to the  
rescue !!!!

The Fort Wayne Radio Club has  
provided a QSL card supply service  
for the club members for several  
years. The purpose of the QSL card  
supply service is to provide club  
members with a source of  
specialized QSL cards, and to  
promote the Fort Wayne Radio Club  
among its membership and among the  
amateur radio community.

The club offers a personalized QSL  
card imprinted with text chosen by  
the individual member, in a  
selection of colors. The card  
itself uses a two color single  
sided non-glossy postcard size  
format featuring a drawing of the  
original "fort" at Fort Wayne, and  
identifies the sender as a member

of the Fort Wayne Radio Club. The card is buff in color, and has a standard format and picture printed in black. The personalized information can be printed in a choice of 3 colors. Club members may select, at no additional cost, several additional imprinting items, including emblems and awards.

Members are encouraged to compare the club prices to those of the traditional commercial QSL printers. Please remember that we are offering 2 colors and optional personalized information in a special, club oriented card format. Naturally, there are lower cost "generic" cards available. The club price is nearly at a break-even point when shipping charges are considered in the overall card cost.

| Quantity   | price   |
|------------|---------|
| -----      | -----   |
| 100 cards  | \$11.00 |
| 200 cards  | \$14.00 |
| 500 cards  | \$20.00 |
| 1000 cards | \$34.00 |

You may obtain order blanks from the treasurer (Bob, AB9U). Orders must be pre-paid at the time of the order, and are processed by the treasurer. Payment by personal check is recommended.

## A BIG THANK YOU

A big FWRC "THANKS" to those members that have renewed their ARRL memberships through the FRWC/ARRL renewal program. Enough of this radio club stuff. Here's an interesting tale from the 9/91 issue of Ham News Outlet.

## A TRUE STORY from NEBBS by WA2PVV

Last week the daughter of a friend of mine called her dad with the following scary story....

She owns a 1 to 2 foot tall cactus house plant - a bulbous type, smooth skinned with a few warts but no needles. She feeds it about 1/2 cup of water once a week and has for 2 or 3 years.

Last week, after watering the plant, she was startled to notice it wiggling a bit and "humming!!" She called her local florist to ask what could be the meaning of that strange behavior by her placid plant.

"GIVE ME YOUR NAME AND ADDRESS AND GET OUT OF YOUR HOUSE AT ONCE -- DONT EVEN WAIT TO GET AN OVERCOAT -- LEAVE AT ONCE. CLOSE THE DOOR AND CALL ME FROM A NEIGHBOR'S!!"

Thoroughly frightened she did as instructed and called when she arrived at her neighbors home. "The exterminator is on the way to your home," she was informed. "What you have is a cactus that is ready to literally explode at any moment. It is jammed full of thousands of baby tarantula poisonous spiders! Should the plant explode, your home will be unlivable from that point on - you would never find them all.

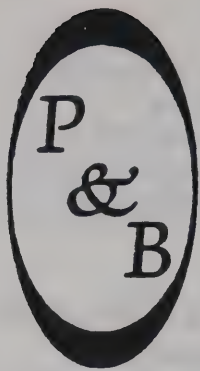
They are extremely poisonous and that is how they breed - in that variety of cactus plant!"

When the exterminator arrived, he first sprayed the plant with poison and then quickly put it in a large plastic bag and filled the bag with poison gas. The cactus exploded and the bag filled to capacity and then slowly deflated. None of the tarantulas escaped. Had the plant exploded at night when she was home asleep, there is no telling of the ensuing havoc.

How many of us would have shrugged off? Do you have any friends who have smooth skinned cactus plants in their homes??

I wonder how many cactus plants are going in the trash basket after reading this story..





P & B  
Business  
Services

A Full Accounting & Tax Service

303 S. Tower View Dr.  
Columbia City, IN 46725

(219)244-4243

(219)625-4220

September 25, 1991

Fort Wayne Radio Club, Inc.  
PO Box 15127  
Fort Wayne, IN 46885

To The Officers and Members:

According to the information and paperwork submitted to me,  
I find the books for the Fort Wayne Radio Club, Inc., for the  
calendar year 1990, to be in order.

As a personal note, in comparison to other not-for-profit  
organizations that I do business with, I believe you are using  
an excellent system to account for your funds and expenses.  
There is no way to be absolutely certain where cash is involved,  
except through trust in all those club members who are charged  
with the responsibility of handling said funds. However, your  
bank accounts all balance with their respective statements,  
all checks are accounted for in numerical sequence, and I believe  
everything is in proper order.

Nancy Beltz, Ptr.  
P & B Business Services

# HAMSPLATTER

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October 1991

## October 18th Meeting....

The October meeting will be on Friday the 18th. at the Salem Church of Christ, doors will open at 1915 and the meeting will start at 1950. This month is election night for 1992 officers. Needless to say, this is a very important meeting and we need to have everyone's help to continue the clubs growth and well being during the next year.

The second topic will be videos from an ATV balloon launched from Danville, Ill. The balloon carried a live TV camera sending pictures from 70,000 ft. via 440 Mhz, a 2 mtr to 440 repeater, and a ten mtr. beacon. The 3rd topic is a proposal to put up an ATV Repeater sponsored by the club.

## Around the Shack with Jim ...

Jim Pliett, K9OMA

Are you getting your antenna work completed? Its certainly been an ideal fall season for that kind of work, and if this past weekend is any indication, time is getting short to get up on that tower and take care of whatever needs cleaned or fixed up. I've been busy, some of it shows but a lot sure would make you wonder what I've been up to. One success is the repeater, putting

on my technical committee hat, if you have used the repeater lately, there is a remarkable improvement in sensitivity. A little tweeking here and there and Adolph, WA9WTJ, and I got it up by about 15db. Gene, W9AJD, has installed a digital message playback and recorder that will be a usefull feature. Right now the audio level is low, but this will be fixed soon. The intended use is to put reminders such as meeting notices, hamfest and special alerts and whatever out over the repeater. This device can store up to ten seconds of message and it can be changed via radio any time.

## What Happened...

The September meeting of the FWRC was started at 1950L on Friday 9/20/91. The treasurer's report was given by Bob Streeter who reported that the first ever review of the Club's books would be done by 9/25/91.

Charlie Hall, KC9LA, announced the Boy Scout Jamboree on the Air activities that would be taking place at the 4H fairgrounds and solicited volunteers for the October 19th activity.

Frank Jaworski presented a check to the club for \$1813 as proceeds from

the 1991 Summit City Hamfest.

Brad Davidson, KA9LCF, was the featured speaker and presented an extremely interesting program on lightening protection. Al, N9BAC, assisted with examples of what can happen when you dont have enough protection. Many club members took notes and there was an extensive question and answer period.

### **Where did it go? Or the not yet found Department**

Part of the treasurer's job includes listing the clubs assets. We have been accumulating a list of club-owned equipment and its current location. Several items that are thought to belong to the club, but that have not yet been located are listed below. If you know the whereabouts of any of the items please call me, Bob - AB9U, at 447-5665.

7/8 in. 50 Ohm HELIAX 300 ft.  
RG 213 or 8214 coax about 50 ft  
Dremmel Marking Tool model 290 d18  
Phelps Dodge 440 Mhz Ant & Mast  
Anchor-Brush dynamic headphones  
Ten-Tec Century 21 & Manuals  
Ten-Tec Century Calibrator  
SST-T-1 Antenna Tuner  
Hand Key on wood base, 2 each  
VibraPlex keyer S/N 47856  
Club History Files

After the first of the year, a complete list of known and located equipment will be published. Please identify any club equipment in your possession that is not on that list.

Your cooperation will be appreciated by all members.

### **THE FWRC\ARRL OUTGOING DX QSL CARD SERVICE**

the following reminders of club services from  
Bob, AB9U

The Fort Wayne Radio Club offers an outgoing DX QSL card forwarding service through the ARRL. This service is free to club members who also belong to the ARRL. The FWRC supports all handling costs (\$2/pound + shipping) of the ARRL Outgoing QSL service. To use this service, there are three main requirements:

1 - You must supply the mailing label from QST magazine. This label contains your ARRL membership number for FWRC and ARRL use.

2 - The QSL cards must be CLEARLY marked with the recipient's call and sorted in alpha-numeric sequence. Please arrange the cards in alpha-numeric order by prefix, increasing from 1 to 0 to A to Z. Numeric prefixes should come before alpha prefixes. Within a prefix group, please arrange cards in the same manner (numbers and letters in increasing sequence). Please put the whole package together with rubber bands, and include your QST label.

If a QSL card goes to a manager instead of the station you



# H A M S P L A T T E R

A NEWSLETTER FOR THE FORT WAYNE RADIO CLUB MEMBERS

Vol. XVII issue 19

September 1991

## FLASH - FLASH - FLASH FWRC Meeting Friday, Sep 20

Flash as in lightning, that should put a little shiver in any red blooded ham. I have good news, no I dont have a magic cure, but I have the next best thing. KA9LCF, Mr. Brad Davidson who is employed by NIPSCO has been protecting commercial installations from lightning for many years.

On Friday nite, September 20th, Brad will share some of his tricks of the trade with the FWRC members. This promises to be a very en-lightning topic.

## Rag Chewing with Jim

.... Jim Pliett, K9OMA

While walking to my car last week, there seemed to be a chill in the air, could summer be gone already? It just seems a month or so ago we were organizing our 2nd hamfest, now it is history. I personally want to thank those who helped and those who attended our hamfest.

As most of you noticed, the hamfest was a little smaller this year, but considering the competition we did very good. As Frank mentions later on, we have decided to go back to the old date, putting us on the Saturday just before the Findlay hamfest. Our poll indicates that hamfesters and vendors alike prefer that date.

Dont forget, elections are coming up, here is your chance to obtain fame and notoriety. As I indicated two meetings ago, its been a fun and challenging two years for me but I just cant stand any more for right now. In any event, 73 for now and see you at the meeting... Jim

## The 1991 Summit City Hamfest is HISTORY! Frank Jaworski, K1FJ

The Fort Wayne Radio Clubs second annual Summit City Hamfest is now history. We had another great year with fabulous weather, and a strong turnout for attendance. I want to thank all the club members who gave their time during the day to help run the hamfest.

This year things were a lot smoother, with only a few minor glitches that were to be expected at any type of event of this size. A special thanks to the Hamfest Committee members who spent many hours in attending meetings, call campaigns and changing personal schedules to support the Hamfest. THANKS!

Last year we had a bit of trouble getting from one gate to the other



to support the ticket sellers by keeping them stocked with tickets and change. This year, Ehlerding Cycle and Sales donated a 4 wheel All Terrain Vehicle for the clubs use during the day. Thanks to Al Waters, WD9FAQ for making the arrangements with Ehlerding.

The Allen County 4H Fairgrounds continues to improve their facilities, and this year was no exception. Lighting, additional buildings, improved PA system and fairgrounds people on hand to help with setting up the facility. Since the fairgrounds will keep on improving over the next few years, there is no reason why the Hamfest cannot continue to grow and enjoy the same success as the fairgrounds. Jim Pliett, K9OMA and I had a chance to talk with most all the vendors at the Hamfest. All were very happy with the facilities - most had a good business day, although some did not break even. However, they felt comfortable with the Hamfest, and despite the vendors who may not have done as well as they would like, they did say they would be back. We left a good impression with them and the FWRC members should take pride in putting on an excellent hamfest. The vendors appreciated our help with setting-up, and accomodating them throughout the day.

Our Hamfest did quite well considering what we were up against. For those of you who did not know, there were two other major events on the same weekend. The ARRL National Convention in Saginaw, Michigan and a

Computer show in Dayton that apparently was set up to be the Hamvention of Computers.

There was some concern that we would have a problem with attendance and vendors. However, as the day drew nearer, our vendor and ticket sales started to pick up, and in fact we had to send extra tickets to Pembletons because they had sold out! (First time that had happened!). Here are some Hamfest Facts:

|                | 1990   | 1991.   |
|----------------|--------|---------|
|                | ----   | ----    |
| Attendance     | 681    | 597     |
| Vendors *      | 44     | 37      |
| TOTAL SALES    | \$4223 | \$3438# |
| TOTAL EXPENSES | \$2461 | \$1834# |

\* - Advance vendor sales only, does not include day of event walk-ins.

# - 1991 dollar totals are unofficial until the September FWRC Club Meeting.

It is important to note that we held our own despite a very competitive weekend, and it shows the strength that the Hamfest has in terms of Reputation and Quality. Based on the experience we have gained over the past two years, the Summit City Hamfest will be permanently fixed as the first saturday following Labor Day Weekend, which will always be the day before The Findlay Hamfest. In 1992, the Hamfest will be Saturday, September 12,1992. Reservations for subsequent years have already been made.

Not all of the door prizes we had at the hamfest were given away for

whatever reasons. These items will be used as door prizes at the September club meeting. One or two will be utilized as prizes for the Post-Hamfest Party for those who volunteered their time over the past few months.

Speaking of hamfest volunteers, the following is a list of the people who helped at the 'fest. I have tried to name everyone that was on the sign-up list, if I missed you, I am really sorry, let me know and I will be sure to get you honored in the next issue.

#### THE 1991 SUMMIT CITY HAMFEST COMMITTEE:

Frank Jaworski, K1FJ - Teresa Jaworski, KA9IFQ - Dave Beltz, KF9DE - Jim Pliett, K9OMA - Al Waters, WD9FAQ - Bill Kindred, WA9RAP - Dan Spencer, N9GWG - Larry Smith, K9VFE Mark Vossmier, N9IWF - Kris Staller, KF9AW - Ron Bishop, N9HZH

#### THE 1991 SUMMIT CITY HAMFEST VOLUNTEERS:

Nancy Beltz, Don Davison, WD9DYM - Sue Demerly, N9JJX - Dick Erwin, N9BNA - Dave Gatcher, N9HOO - Dave Evans, N9LOV - Hal Sullivan, KA9IPK Gary Reese, WB9UYT - Larry Moore, K9GFQ - Gene Mount, W9AJD - Bill Gibbons, W9KBV - Jack Linkhart, N9JFT - Don Howe, K9TT - John Stiltner, WB9BEZ - Walt Johnson, K9JMT - Bill Hall, WD9HII - Rose Polk-Waters, N9GSP - Laron Beyer, WC9T - Jesse Cuellar, KA9HTH - Lynn Hyndman, W9FC - Gene Bailey - Bob Bailey, K8ATY - Bill Bathurst, N9CKG - Chuck

Bollinger, WB9DNE - Vic Bowers, KA9VAP - Jules Franke, W9TQA - Bill Demerly, K9JUI - Ron Meyer, KA9LLF

#### THIS YEARS PRIZE WINNERS AT THE 1991 SUMMIT CITY HAMFEST

FIRST PRIZE - Heathkit 2 Meter HT  
Bill Gibbons, W9KBV  
Fort Wayne, Ind.

SECOND PRIZE - AEA PK-88 TNC  
Dennis Schenkel  
Fort Wayne, Ind.

THIRD PRIZE - B&K Multimeter  
WA9RST J. Matthew Smith  
Daleville, Ind.

This year the concessions were staffed by a group called Epsilon Sigma Alpha, Alpha Kappa Chapter. This is a sorority that does various community services. Providing concessions is a fund raising activity to support their operations. The Fort Wayne Radio Club wishes to extend its appreciation to the Sorority, and especially to Holly Sarrazine, President of the Organization.

The September Club Meeting will feature a special presentation concerning the Hamfest, and you will not want to miss this meeting!

As the Chairman of the 1991 Summit City Hamfest, I want to personally say thanks to the Hamfest Committee, and to all who volunteered their help this year. Again, making the Hamfest another pillar event put on by the Fort Wayne Radio Club. 73 de



Frank Jaworski, K1FJ  
1991 Hamfest Chairman and  
Teresa Jaworski, KA9IFQ  
1991 Hamfest Accountant

## Ohm's Law

Hello Elmer, said Ima Lidd. Its surely nice to see you and I am looking forward to talking to you.

its nice to see you too, Ima, said Elmer. What would you like to talk about today?

I would like to ask about Ohm's law. I've heard about it ever since I got started in ham radio, but what is it?

Elmer answered, Ohm's law for DC states that the current in a circuit varies proportionately with the voltage and inversely with the resistance. Or more simply it says that the current in a circuit goes up when the voltage goes up and down when the resistance goes up. For example: One volt applied to a circuit containing a one ohm resistor would produce a current of one ampere.

Boy, that sounds simple enough, responded Ima. Lets see if I can give another example. 10 volts in the same circuit would produce 10 amperes of current. Is that right Elmer?

You bet it is, Ima. In a DC circuit that just about tells the whole story. It is truly a linear circuit.

Ima interrupted, Wait a minute, Elmer, I've heard a lot about linear circuits and linear this and that. What does it mean?

Elmer replied. The word linear comes from the word line - in this case a straight line. If we plotted the examples on linear graph paper we

would get a straight line. If we plotted the volts on the vertical scale (y axis) from zero to ten and plotted resistance on the horizontal scale (x axis) from zero to ten we could draw a graph showing the current flow. That graph would be a straight line for any combination of voltage and resistance. Try it Ima.

OK, I'll get a piece of paper and lay out a vertical line two and a half inches long and a horizontal line of the same length. I'll put a mark on each line 1/4 inch apart and make each mark one volt on the vertical scale and each mark one Ohm on the horizontal scale. Now I'll put a dot at the three volt mark and at the three ohm mark and at four or five, etc. Ah, yes. I see what you mean. It is a straight line.

Very good Ima, said Elmer. Let's express Ohm's law in its formula form. You will recognize these formulas. They all are derived from the definition of Ohm's law given above.  $I=E/R$

$$R=E/I$$

$$E=IR$$

Let's test formula one. If the voltage is 5 volts and the resistance is 10 Ohms then  $5/10$  equals .5 amperes or 500 milliamperes. Substituting the same values in formula two yields  $5/0.5$  equals 10 ohms. The same results will be had with formula three. The three formulas are the same, just rearranged a little.

The formula for power is:  $P=EI$ . So the power in the above example would be 5 volts times .5 amps. or 2.5 watts. In this case the voltage and the current are known. This formula



also can be rearranged to find the power when the voltage and the resistance are known and when the current and resistance are known. For example, since  $I=E/R$  we can substitute  $E/R$  for the  $I$  and if  $E=IR$  we can use  $IR$  for  $E$ .

$P=E$  times  $E/R$  becomes  $P=E^2/R$  or  $P=IR$  times  $I$  becomes  $P=I^2$  times  $R$ .

That is simple enough, said Ima. I just never understood how the formulas were derived. Thanks, Elmer for another interesting lesson.

You're welcome, Ima. Remember that electronic theory does not have to be difficult to learn or complicated. All you need to know is how a few things work. They are: resistors, capacitors, inductors, and semiconductors. Resistors oppose current flow in DC and AC circuits. Capacitors inhibit current flow in DC circuits, but less so in AC and RF circuits. High frequency and/or a large capacitor can result in almost a short circuit. On the other hand, high frequency and a large inductor can result in close to an open circuit.

See you next time. de Van, K3CP - W3OK CORRAL

## THE 1991 NATIONAL ARRL CONVENTION .... Larry Smith, K9VFE

I have always wondered what went on at the National Conventions advertised in QST. After reviewing my accumulated vacation hours, I told my wife we should take a long weekend and visit Saginaw, Mich. Donna being suspicious, after all she has been long aware, that I like to visit Hamfests on the summer weekends,

wanted to know which Hamfest was being held up in Saginaw. Well I said, its not really a Hamfest, its a convention, the National ARRL convention. See look here in the magazine, tours, banquets, lots of stuff to do besides looking at radio stuff. Boy that shopping tour into Frankenmuth sure got her attention! In fact, it sold her on going, I could go to the Hamfest in the morning, and take her to Frankenmuth in the afternoon.

Well anyway, what is an ARRL convention? The Saginaw affair was put on by five Ham Radio Clubs and was the first time a ARRL convention was held in our area for some time. In addition to the Ham radio guys, considerable effort was put forth by the Saginaw Convention and Visitors Bureau, The City and County of Saginaw, the Saginaw Railway and Historical Museums, Saginaw's Transit System and many others. As you can see this doesnt sound like the usual Hamfest.

The brochure describes tours of an GM auto plant in Flint, a superconducting Cyclotron, a canoe trip to see stone carvings and petroglyphs, and a tour of a brewery. There were shopping tours to outlet centers and souvenir places, and antiques shops. Something for just about everyones tastes. Family entertainment included story telling around a campfire at the Ojibway camp grounds, similar to our Johnny Appleseed Park. Singing and entertainment by professional musicians.

As far as the Hamfest type activities, there were over 70 hours of forums which included: Iris and Lloyd Colvin describing their DX peditions, Packet Cluster, FCC news and views, and visitors from South American Shortwave Station HCJB, and Radio Moscow giving presentations.

The Hamfest itself, well it was a miniture Dayton. The new equipment vendors were in the International Center, which is like the hockey arena in the Coliseum. The booths were set up just like at Dayton. This was especially nice, and since the crowd was extremely small by Dayton standards, you could actually get up to the various rigs and get a hands on look at them. The crowds were never overwhelming, and if it got busy, well you just went someplace else and came back later. Really nice.

Of course, what would a Hamfest be without a flea market. Well Saginaw was a little sparse in this regards. The flea market was across the street in their Civic Center and in various large meeting rooms. The usual computer vendors and antenna people, dont forget the aluminum welding exhibit. (the stuff really works well for repairing antennas - personnal experience) The flea market was a little disappointing and from what I heard, our Hamfest drew some of the vendors down here on Sunday. As a matter of fact, I didnt see much used ham gear at all. So, we spent considerable time looking over the new stuff next door.

This was a pleasant trip, a good location and plenty to do for the non hams. Excellent job by the following clubs; Saginaw Valley, Genessee County, Bay Area, Shiawassee, and Lapeer County ARC's.

For all of you guys who stayed home and didnt go to either The Summit City Hamfest or the Convention - raspberries all around, both could have used some extra attendance. But I had fun, and so did Donna. As a matter of fact, she wants to know if we can afford the next convention in Los Angeles.

## **RUSSIAN'S USE HAM RADIO DURING COUP ATTEMPT**

Did you watch the ABC or CNN news clips during the recent coup in the USSR? Both networks, of course, had extensive couverage, but did you notice the ham station operating from the Russian White House? This is the building where all the TV pictures were coming from with all the tanks outside. Boris Yeltsin was actually shown transmitting on an ICOM ham radio. A paragraph in the "Wall Street Journal" of August 21st said, "Mr Yeltsin's efforts to rally support are still being hampered by a lack of communications with the nation. So far his aides have been broadcasting news to ham radio operators on a makeshift short wave transmitter installed in the sixth floor of the parliment." Station R3A with an ICOM 726 & Alpha Amp, hardly makeshift. Tnx to W5YI Report.



## DX QSL MAILING COST SUMMARY SHEET

### ARRL SERVICE:

Weight of ARRL-bound cards:

---

ARRL FEE: FWRC CH#: 

---

AMOUNT: 

---

based on \$2.00 per pound,  
to next highest pound

Shipping Cost to ARRL:

---

TOTAL ARRL COST:

---

based on ARRL fee +  
shipping cost

### N7RO SERVICE:

Number of users:

---

Total Number of cards submitted:

---

TOTAL USER CARD COST:

---

based on 7 cards at \$1.00

FWRC CHECK #: 

---

AMOUNT: 

---

FWRC PAID CARD COST:

---

based on 2 cards per user x per  
card fee of \$0.143

USER FEE PAYMENT:

---

based on total cost less FWRC paid  
cards should be enclosed with  
cards sent to FWRC

Shipping cost to N7RO:

---

NET N7RO COST:

---

based on FWRC paid cards + shipping

FWRC CHECK \$ 

---

 less user  
payment \$ 

---

=====

PAYMENT FOR HANDLING:

ARRL shipping:

---

N7RO shipping:

---

other costs:

---

TOTAL DUE TO CARD HANDLER:

---

FWRC CHECK #: 

---

=====

TOTAL FWRC COSTS:

ARRL COST:

---

N7RO COST:

---

TOTAL COST OF QSL SERVICE:

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### Fort Wayne Radio Club - QSL Card Purchase Program

Looking for a convenient Christmas  
gift for a ham? Need to drop a hint  
to your favorite Santa? FWRC to the  
rescue !!!!

The Fort Wayne Radio Club has  
provided a QSL card supply service  
for the club members for several  
years. The purpose of the QSL card  
supply service is to provide club  
members with a source of  
specialized QSL cards, and to  
promote the Fort Wayne Radio Club  
among its membership and among the  
amateur radio community.

The club offers a personalized QSL  
card imprinted with text chosen by  
the individual member, in a  
selection of colors. The card  
itself uses a two color single  
sided non-glossy postcard size  
format featuring a drawing of the  
original "fort" at Fort Wayne, and  
identifies the sender as a member



worked, please make that clearly noted on the card by placing the manager's call sign on the back of the card. Special WPX prefixes should be placed in the standard alpha-numeric sequence, since the ARRL has a standard process for these cards.

3 - A club officer will be glad to accept your cards and pass them on to the club outgoing DX QSL card manager (currently Al, WD9FAQ, the FWRC Communications Manager). Contact any club officer at a regular meeting, or make other satisfactory arrangements. Cards will be forwarded to the ARRL Outgoing Bureau at regular intervals.

## THE N7RO DX QSL SERVICE

The FWRC also provides club members who are not ARRL members with the highly effective N7RO DX QSL SERVICE. Any club member may send DX QSL cards via the N7RO service, although only ARRL members may use the ARRL service. The FWRC pays for the first two cards in any one individual shipment, and the individual pays for any additional cards at the current rate ( N7RO charges \$1.00 per 7 cards as of Feb 1991, please round up to the next highest dime). Steps two and three (above, as for ARRL cards) apply, and in addition no QSL cards may be older than 12 months (except "TNX QSL" cards). You must also submit the proper payment for the use of this service (the treasurer

always suggests that you submit a personal check made out to the FORT WAYNE RADIO CLUB, since it provides proof of payment). All N7RO cards must be in a separate stack from ARRL cards, and clearly marked as N7RO QSL SERVICE cards. The club will forward groups of cards at regular intervals to N7RO with a common payment. The N7RO service is particularly effective for DX stations using a QSL manager.

## INCOMING DX QSL CARDS

You must provide the ARRL incoming DX cards bureau with a SASE in order to receive any DX cards. The FWRC is not involved in this process. The bureau of your callsign must have your envelopes, not the bureau in your current living area. You do not have to be an ARRL member to use the incoming DX QSL bureau. If your callsign has a "9", contact the Northern Illinois DX Association, Box 519, Elmhurst, IL 60126.

## STATESIDE QSL CARDS

You are on your own. All QSLs should be mailed directly to the station involved. There are no stateside bureaus for handling your normal QSL. QSL cards must not

be sent through either the ARRL or N7RO DX QSL bureaus.

# HAMSPLATTER

A NEWSLETTER FOR THE FORT WAYNE RADIO CLUB MEMBERS

Vol. XVII issue 19

August 1991

## August Meeting

Dont forget to mark your calendar - Friday the 16th of August is the monthly Club meeting. This months speaker is John Goller, K9UWA. His topic HF Contesting. Plan to see videos of all that aluminum and steel he has growing in his back yard. Believe me its facinating. The Meeting begins at 7:30, Salem Church as usual.

## From the Head Honcho

Hello again, its been awhile since I last wrote a this-and-that column, but onward and upwards as they say. First off, thank you to all who participated in the 1991 Field Day. If you didnt make it, we of course missed you, but worse still; you missed out on a lot of fun.

There are some novices out there who attended field day who will tell you that it was very special to them because some one really cared. That some one was Larry Smith, K9VFE, who used his talent, time and patience to show these beginners how to make a field day contact. By the way, Larry was overheard saying what a good feeling it was for him to help out.

I think there is a message in there for all of us "old timers."

Speaking of Larry, I want to thank him for taking the job of editor of the Hamsplatter for the past 11/2 years, its kind of a thankless job with lots of deadlines and plenty of people on your back when you screw up. Now that I have really pumped the job, I know Larry is hoping that some one would like to

take over the job. I have a feeling that he would be more than glad to get some one off on the right foot.

As long as I am passing out "atta boys", an "atta girls" goes out to the gals for the fine food at the field day activities. The barbeque chicken was "out of this world" good.

As most of you know I'm sure, our 2nd annual hamfest is comming up on Aug 25th. We will be giving some of our fine members a call very soon for help, we expect you to donate a couple of hours of your time to help in this fund raiser. So say yes! While on this subject we will again have a club table which you may use to donate equipment for sale, or just sell something.

By the way, your Club activities manager (me) is running low on ideas for speakers/topics, got any good ideas? 73 -- Jim, K9OMA

## Communications Corner

... Al Waters, WD9FAQ

There's a saying "How time flies when you're having fun!" I sure must be having fun because this year seems to be flying by. In fact flying by so fast that I havent found the time to write a proper monthly column like I should. So before I get into a list of the up-coming events, I'd like to take a few lines to tell about what has been going on (or is that coming off) at the Waters' household.

Of great personal importance to



both Rose, N9GSP and myself, is the fact that we finally got married on 22 July 1991. She will now be using the last name of Polk-Waters. I know that most of you thought that we were already married, but not so, until this July.

(Congratulations from all FWRC members Al, best of luck)

I'm sure that it would come as no great shock to any of you that the United States waged a war against Iraq early this year. What may come as a shock is that I was expecting to be called to serve on active duty during that War. Thank God, I wasn't but just in case, I spent a lot of time sewing patches (stripes etc) on my uniforms. Still not done, but I have cut back on the amount of time I'm spending sewing. I expect to finally have all the patches on by 10/1/91.

As many of you may have heard, I have a 100 ft. tower in pieces in my back yard. As a matter of fact, it's been there for two years. I'd like to take this time to confirm the rumor, that yes, I have been seen wire brushing the bottom sections in preparation of putting it up this fall. Hopefully, it will be up by early November.

NEW SWIMSUITS are proof that nothing succeeds.

## Calendar of Events

- 10-11 Aug. All Mie 33 cw contest  
(JARL sponsored)
- 17-18 Aug All Mie 33 phone  
KCJ Single Op CW  
Maryland/DC QSO party  
SARTG Rtty Contest  
SEANET Phone Contest  
Warren Hamfest-Warren Oh.  
Trumbull Campus of Kent State  
146.37/97 Talk- in  
Lafayette (Ind) Hamfest
- 24-25 Aug Empire State QSO party
- 23-25 Aug ARRL Nat'l Convention at  
Saginaw Mich.
- 25 Aug Summit City Hamfest  
4 H fairgnds 8 to 3

- Sept 1 Central Indiana Hamfest  
at Indianapolis
- Sept 8 Findlay Oh. Hamfest
- Sept 21 Gaylord Mich Hamfest
- Sept 28/29 Louisville Ky. Hamfest
- Oct 6 Huntington Ind. Hamfest

## AMPLIFIERS

by Van K3CP

Ima Lidd said to Elmer, "Someone said that one of the local FM broadcasting stations was using a linear amplifier. Is that right Elmer?" "No," replied Elmer, "Linear amplifiers are used on AM transmitters. That, of course, includes upper and lower side band rigs which are AM. Linearity is required only when you must maintain the fidelity of the audio wave envelope. This is not necessary on FM transmitters where the audio is not in an amplitude envelope. Also, it results in very low efficiency. Linear amps generally run as class A or AB and FM amps run at the much more efficient class C."

"Let's see if I understand you," said Ima. "We hams would use class A or AB (linear amps) on high frequency for the sideband modes and class C (non linear amps) on 2 meters or other VHF bands for the FM mode."

"That's right," continued Elmer. "Also, don't forget code transmissions. There is no need for the relatively inefficient linear amplifiers there either."

Ima said, "We never talked about the different classes of amplifiers, Elmer. What are they and how are they used?"

"Well, there are three common classes," continued Elmer. "They are class A, B and C. There are other classes, but these three are of the most interest to amateurs. Class A amps are the best for high fidelity purposes, but are low in efficiency. They have a maximum efficiency of 50 percent but more typically run 25 to 30 percent. Class B amps are biased so that



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The HAMSPLATTER is published monthly by the members of the Fort Wayne Radio Club. All items to be published are required by the editor before the first Friday of the month.  
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|                           |        |                       |                            |
|---------------------------|--------|-----------------------|----------------------------|
| President: Frank Jaworski | K1FJ   | Editor: George Deebe1 | KC90H                      |
| Vice Pres: Al Waters      | WD9FAQ |                       | 15128 N. County Line Rd.   |
| Secretary: Dan Spencer    | N9GWG  |                       | Spencerville, IN 46788     |
| Treasurer: Bob Streeter   | AB9U   |                       | Phone: (home) 219-238-4769 |
| Comm Mgr: Terry Dull      | N9HUJ  |                       | (work) 219-429-5973        |
| Trustee : Lynn Hynman     | W9FC   |                       |                            |

|                            |        |              |       |
|----------------------------|--------|--------------|-------|
| Board Members: Laron Beyer | WC9T   | Dick Erwin   | N9BNA |
| Dean Whitesel              | WA9RRY | Scott Wright | NM9F  |

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#### FORT WAYNE RADIO CLUB REPEATERS

|               |     |               |     |                 |     |
|---------------|-----|---------------|-----|-----------------|-----|
| IN            | OUT | IN            | OUT | IN              | OUT |
| 146.16/146.76 |     | 146.31/146.91 |     | 449.875/444.875 |     |
| (open)        |     | (auto-patch)  |     | (open)          |     |

OUR REPEATERS ARE OPEN, INCLUDING THE AUTO-PATCH

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#### MEETING NOTICE

This month's meeting is Friday, November 17, at 1930. Location is the regular meeting site...the Salem Church on Lake Avenue, just East of the VA Hospital.

This month's program: ELECTION TIME! Come to the meeting. Help decide the future of your Club. VOTE!

#### ARRL MEMBERS

Bob, AB9U

Please renew, or begin, your ARRL membership through the FWRC. Your ARRL membership form will be sent to the ARRL in a timely manner, so there is no possibility of of loosing your membership continuity or delaying your QST magazine. Make your check, wiht the full ARRL fee, payable to FWRC. The Club then combines all the memberships being sent into one Club ckeck to ARRL, less the ARRL Calub rebate. By making membership through the FWRC, you help both the ARRL and the FWRC. If all 114 members of FWRC and ARRL (75% of the Club) renewed through the Club, the Club income resulting from the ARRL rebate will equal or exceed the profit from a full weekend rest stop safety break! You need only send your ARRL renewal form (or a QST label, for your membership number) and your check (payable to FWRC) to the Club. New ARRL memberships are also available through the Club, and provide additional financial reward for the Club. You may also bring them to the Club meeting. It's one of the easiest ways you can help your Club!

#### OCTOBER CLUB MEETING MINUTES

Dan, N9GWG

The October meeting was held at the Salem Church on Lake Avenue on October 20, 1989. The meeting was called to order by Frank, K1FJ, at 1938. There were 27 members and guests present. The business meeting followed and the minutes were accepted as presented in the HAMSPLATTER.

Bob, AB9U, gave the treasurers report and stated that the Club balance was \$4397.28. Bob also announced that the Club has a copy of the new FCC rule book.

## NOTICE



Tom Hires, KA9TGZ, donated a Ten Tec Century 21 transceiver and accessories to the Club. The Club decided to use the station as a loaner station for new hams.

Al, WD9FAQ, reported that the Ham Santa program was organized and is going well for this Christmas season.

Bill, WD9HII, reported that the Club will have an extra table at the Ft. Wayne hamfest for use by Club members. The table is for the use of members who only have a few items to sell.

Dick, N9BNA, announced that there will be a table at the hamfest for Elmers. The purpose of this table is to assist new hams in the selection of equipment available at the hamfest.

George, KC9OH, circulated a sign-up sheet for the upcoming CQ WW CW contest. W9TE will be in the contest from George's QTH.

Frank and George gave a dissertation on the Point Plan outlined in the HAMSPLATTER and asked for input from members. They reported that a draft of the complete plan is almost finished, except for the definitions for Public Service activities. Al, WD9FAQ, volunteered to complete those definitions.

Nominations for 1990 Club officers were taken with the following being nominated:

|            |       |        |
|------------|-------|--------|
| President: | Frank | K1FJ   |
| Vice Pres: | Al    | WD9FAQ |
| Secretary: | Dan   | N9GWG  |
| Treasurer: | Bob   | AB9U   |
| Comm Mgr:  | John  | KA9ZQK |
| Board Mbr: | Dick  | N9BNA  |
|            | Bill  | K3HZP  |
| IRCC rep:  | Bill  | WD9HII |
|            | Bill  | WA9RAP |

The program was given by George, KC9OH. It was a dissertation on QRP operation. George demonstrated two portable QRP stations, and explained the virtues of QRP operation. The program was enjoyed by all.

The meeting was brought to a close at 2140.

#### PRESIDENT'S CORNER

Frank, K1FJ

As those of you who attended the October FWRC meeting are aware, my wife, Teresa, KA9IFQ, gave birth to an 8 lb., 7 oz., 21 inch baby boy named Scott Joseph. This is our third child. With three harmonics, I will have to watch out for the FCC! As you can imagine, the lifestyle has changed significantly at the K1FJ/KA9IFQ household.

A major milestone in Novice classes was the fact that 20 out of 29 people who took the Novice test passed. CONGRATULATIONS to the newest members of our fraternity. There will be an Elmer table at the Ft. Wayne hamfest, next to the FWRC table. If you want to help one of the licensees by answering questions for them while they look at all the equipment at the hamfest, let Dick, N9BNA, or Bruce, N9DGL, know. Think of when you became a ham. Wouldn't it have been nice to have a seasoned ham help sift through the ads, used equipment and such that a newcomer is inundated with during the start of the hobby.

A few things have come to my attention in recent weeks, and I would like to address them here. The FWRC has no ties with the local VEC (volunteer exam coordinator). It never has. What the VEC does or how he sets up his exams are his business. The FWRC will do what it



...the station as a ... station for ...

...was organized and is going well for ...

...the ...

...announced that there will be a ... the purpose ...

...contrast from George's OTH.

...and George gave a dissertation on the Point Plan outlined in the HANSPATTIL ...

|                 |       |
|-----------------|-------|
| President:      | Frank |
| Vice President: | Al    |
| Secretary:      | Van   |
| Treasurer:      | ...   |
| ...             | ...   |
| ...             | ...   |
| ...             | ...   |
| ...             | ...   |
| ...             | ...   |
| ...             | ...   |

...the program was given by George, K9GUR. It was a dissertation on ORP operations. George ...

...

...corner ...

...the ...

...

can to help our if needed, but the Club is not responsible for last minute cancellations. To those few who continue to accuse the FWRC of cancelling test sessions at the last minute, or causing mayhem, PLEASE STOP THE GOSSIP! If you don't have anything constructive and positive to say, don't say it! For those who are not aware, the local VEC has cancelled the Ft. Wayne test session for November, and he has good justification which is beyond his control. After all, this is a hobby, not a job. You do the best you can, and the VEC job is very demanding; more demanding than running the Club. Still, some forget that. In any event, the session has been cancelled, and I do not know of a reschedule as of this writing. However, there are plenty of test sessions in the area to cover the bases.

In another matter, I want to say that the FWRC is a strong Club, with a lot of members. As with any volunteer organization, only a small number actually do the moving and shaking. So be it. This does not imply, however, that the Club is weak, or falling apart or whatever you wish to call it. I have either had or heard discussions concerning people who feel picked on, or feel that the Club is just not like it used to be. Well, I have news for all the people who feel that way. If you don't like it GET INVOLVED! At the nominations last month, we barely got any nominations, the previous officers, with the exception of one, decided to re-up. I would like to see more people get involved. If not as an officer, then maybe as an active member of the Club. One thing I can tell you, this year I know will be a good year. A lot of plans are being placed into motion, and its success will be geared on member support in various ways. I will not stand for people who whine around and try to ruin the Club spirit by making comments about the Club that have no basis in fact. One example was when a member said "I heard that the FWRC was getting out of Novice classes." Where did that come from? The FWRC has been in Novice classes for many years, and we plan to stay in it. What purpose did such a comment serve? Was it constructive or positive? Ham radio is a hobby, and we are all supposed to share in it and help one another. I grant you that as with anything, there is always a bad apple. Just listen to a DX pile-up, and listen to the shenanigans that just tend to disrupt and just plain ruin a good intention. Still, the DX station realizes that only a small handful of people are responsible, and he continues to try to give all a chance at the new one. The FWRC is not without its share of bad apples, but you run into that at work, play, and in your own family. I would like to just see people in the Club put aside their differences of opinion and look at the good of the Club as a whole. Volunteer for teaching ham classes. Volunteer for the Santa Claus net at an area hospital. Get in a contest and support the W9TE call. Show off the Club in a positive manner. Offer to help one of the new novices get on the air. Just DO SOMETHING! Show your spirit for the FWRC.

To emphasize the respect the Club has with many people, Tom Hyers, KA9TGZ, donated a complete Ten Tec Century 21 station to the FWRC. Along with the rig, he donated quite a few peripheral items that make for a good station. The Club plans to use the station as a loaner station. Tom received his ticket through the FWRC classes and this is his way of thanking the Club for its efforts at promoting the hobby. This station is ideal for Novices who are not sure what rig to get. They can borrow this rig, get on the air, and in the meantime, look around, talk to other hams on the air, and make informed decisions. If you are interested in borrowing the station, you can contact me and I will make arrangements for you. The Club sends a heartfelt THANK-YOU. A special letter has been sent to Tom on behalf of the Club, thanking him for his generosity.

With Thanksgiving coming up, I want to wish all of you a Happy Thanksgiving. I was nominated for the FWRC presidency in October. I have written a short statement of my goals for the coming year, if elected. This statement can be found elsewhere in the HAMSPLATTER.

Remember that the FWRC has a mailbox on 145.05 MHz, being run by K1FJ. Access using the connect command to K1FJ-2. Club news of upcoming programs and events are found on the mailbox. Packet is a perfect way to provide messages to other hams and make announcements







on a quick basis. It also allows for members to leave messages for the Club officers and for other members.

#### LETTER OF INTENT

Frank, K1FJ

I am seeking the Presidency of the FWRC for the year 1990. I have served as President of the FWRC for one year, and I know that there are still some tasks that need to be kicked off and started and others that need to be completed.

My goals for the coming year are outlined below. These tasks are not in any particular order:

1. Continue to write a monthly President's Corner column for the HAMSPLATTER.
2. Continue the FWRC's commitment to Amateur Radio education. To this end, I propose to establish a FWRC VEC, affiliated with the ARRL, to supplement the VEC program currently affiliated with the DeVry group. I also will encourage this past year's Novice Class co-sponsorship effort with the ACARTS group as a means of promoting amateur radio in a cooperative atmosphere.
3. Encourage and actively support the new Points Plan to promote Club activity in the areas of Public Service, Operating, and FWRC Administration.
4. Amend the FWRC constitution to better clarify the tasks of each of the elected Club officers.
5. Amend the FWRC constitution to add a clause that makes the head of the FWRC Technical Committee a position appointed by the President of the FWRC. This clause will also clarify the tasks of the Technical Committee Chairman.
6. Hold a FWRC auction during the spring, which will provide a money making venture for the Club and provide an additional means for hams around the area to meet the FWRC members.
7. Insure that the Annual FWRC Picnic is again held this coming year.
8. Promote all FWRC activities.

This past year has had a lot of influence on me, and, as with anything a person attempts for the first time, a lot of learning has occurred. Being President for one year is not quite enough. You just learn how the FWRC operates in that time, and the second year appears to be the year that things can roll smoother. I will say this, I will not run for President in 1991.

I want to thank all of you who have helped me during the past year, and I look forward to your support in the coming year. I want to thank the members of the board for their insights and to the general membership.

#### THE GOOD OLD BOY NETWORK - K9ZBM SACKED BY SM

R.F. Hill

If you have been reading this column over the past few months, you are aware of our reporting of actions by our ARRL section representatives. Unfortunately, we have further input on activities the writer believes supports the theory that the "Good Ole Boys" are still up to their typical tricks.

Recently, Jim Sellers, K9ZBM, reprinted one of our articles in the North East Indiana Amateur Radio Club newsletter. Jim is, or rather was, the Affiliated Club Coordinator for

...the first meeting of the ... members ...

...the first meeting of the ... members ...

...the first meeting of the ... members ...

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...the first meeting of the ... members ...



Indiana, an appointed ARRL section position. The position is available by appointment from our SM, Bruce Woodward, W9UMH. Jim was relieved from his position on September 26. Jim and I feel that he was sacked due to publishing an article critical of W9UMH's activities and abuse of his position.

The new Affiliated Club Coordinator is Ben, NX9I. We wish Ben good luck in his new position - hopefully Ben can see the light. Hopefully he is not one of the "Good Ole Boys", even though Ben has other appointed positions, and is active on the SSB 3910 traffic net. More than likely, Ben, Bruce thinks that you are a "Yes Man." Sigh, only time will tell. This is a very suspect appointment.

It is certainly questionable, amusing, and political -- In common language, EMPIRE BUILDING.

By the way, if you are a packeteer, you have seen this; if not, it is interesting to note that many of the BBS stations have a logon message that comes up when someone checks into the bulletin board:

ELECT PEGGY COULTER, W9JUI, AS SECTION MANAGER

Looks like some people want a change.

OTC

Ted, W9TC

The first of the big snows is here as I communicate with you via OTC. I have heard several discussions about who will be the new FWRC officers. You should be aware that the President's job carries some perks. Most members will recognize your name or call, without asking someone "Who's that?" Next, look at what happened to Frank, K1FJ. A stork saw the antenna and landed with a new son. Would it be possible to entice some good men or women if the Club would make a perk of five years paid membership?

This past week I received a call about Tom Hynes, KA9TGZ, from his son Thomas, Jr. He advised me that Tom, Sr. was in the hospital after a series of heart attacks. Tom had told me several years ago that he had advised his lawyer about his radio equipment. If or when he became a silent key, that it should be given to the FWRC. Thomas, Jr. asked me to pickup the radio equipment as Tom, Sr. would be placed in a long care home when he is released from the hospital. I did pick up the equipment and transferred it to the FWRC.

Tom, KA9TGZ, took his novice test from Bill, WA9RAP, who asked me to be Tom's Elmer. Tom is 87 years of age and is a member of the Society of Wireless Pioneers. He taught PAA airline pilots the code back when they were required to know the code. He is listed as being a radio operator on the SS Excellor /KKO in 1917. Tom was the Senior Citizen of Indiana (year not known). Bill, WA9RAP, mentioned about Tom having many stories to tell. A story about Tom that I must repeat is as follows. (I have told some of you about this happening.)

My first trip to Tom's QTH gave me a sad feeling. Maybe 30 feet of space for his antenna. It was 12 feet in height, a center-fed dipole with the ends wound down the patio walls of wood. I checked the SWR and added three feet to each end. Ready to go on 7 and 21 MHz novice bands. Output 20 watts.

Upon reaching my home, I called Tom and gave him his first contact. Told him to go work them. Several hours later Tom called saying he could not make any contacts. Why Not? When I had worked him it was around 20 wpm. I said "Tom, how fast are you sending when you call the stations?" His answer, 20 wpm. You guessed it, he QRSed to about 5 wpm, or the rate the other stations were calling. Several hours later I received his phone call. He had worked five stations, one being in Canada. The next day he worked some friends in Florida.



...in the position of ... The position is available by appointment from ... WSMH, Jim was relieved from his position on September 25, 1961 and ...

... Affiliated Club Coordinator is Ben, N4RI. He wish Ben good luck in his new ... Ben has other appointed positions, and is active on the 808 3500 ...

... in ...

... the way, if you are a packman, you have seen this; if not, it is interesting to note ... the board:

ELECT PEGGY COUTER, W4WU; AS SECTION MANAGER

... some people want a change.

... first of the big snows is here as I communicate with you via OTC. I have heard several ... someone "Who's that?" Next, look at what happened to Frank, W1JL. A stop saw the ...

... past week I received a call about Tom Hyres, K4TRZ, from his son, Thomas, Jr. He ... Tom, Sr. was in the hospital after a series of heart attacks. Tom had told ...

... Bill, N4RHP, mentioned about Tom having many stories to tell. ... I must repeat is as follows. I have told some of you about this ...

... first trip to Tom's OTH gave me a bad feeling. Maybe 28 feet of space ... I checked the 808 and coded three feet to each end. Ready to go on 7 and 21 ...

... my home, I called Tom and gave him the first contact. Told him to go work ... it was around 28 wpm. I said "Tom, now that are you sending when you say ...

Did you read the "Letters to the Editor" on November second in the News Sentinel? If so, you would have seen some good press for the Radio Amateurs. After reading about the Ham Hero? I called to thank him for the nice letter. I then gave him my name and call. During the hour when I was NCS on the MM Net on 14.300, several vessels checked in with location and conditions related to the storm which hit KP4 land. One vessel requested that we notify the parents of a girl on board that both she and the boat were OK.

Later I made a paid call to Wisconsin and the father answered. I said that I had a message from their daughter off the Island of Culebra. I gave my call and that I was a Radio Amateur in Fort Wayne, IN. I told him that their daughter was safe. The father then went to tell his spouse and they were very elated. I waited a bit and hung up. When I saw his letter I called back and gave my name and call. He said he wanted my call, as his daughter was working on her ticket and wanted to thank me on the air. I told him that as an amateur, I appreciated his letter except for the line about being a Hero. HI.

Who is the oldest member of the RWRC? Congratulations to Fred Pembleton, who I understand hit 95 this past month. Also, W9UC, Chuck, who hit the 86 year marker. Chuck tells me that he is still getting around, but slower.

#### DX PACKET CLUSTER ACTIVITY

Larry, K9VFE

The cluster is alive and doing well. Recently we have added a pair of stacked 220 beams and an amplifier. This equipment allows us to link to W9FAM near Frankfort, IN, and from there to Indianapolis. W9FAM has his digi up at 500 feet and our antenna is at 140 feet. The distance is 85 miles, and the link seems consistent.

During the CQ WW SSB contest all 40 zones, and nearly 700 DX stations were spotted on the cluster. Some of the new info on the cluster includes the addition of QSL routing, and a need list. The latter allows a user to list needed countries.

Remember, the cluster is basically a BBS program, but the commands are somewhat different. Use the HELP feature when first checking in to get a feel for the different commands.

#### MANCHESTER AREA CROP WALK

Glenn, KB9AYW

The third annual Manchester Area CROP Walk for World Hunger was held Sunday, October 15. Thanks to the following FWRC members for providing radio communications and patrol vehicles: Vince/KA9ULM, Bob/WB9DIO, Catherine/K9UMP, and Glenn/KB9AYW. WELL DONE!

(Congratulations to Glenn, KB9AYW, on upgrading to General in August! Keep up the good work, Glenn; Advanced comes next! Ed.)

#### DUES AND RENEWAL TIME

Bob, AB9U

A 1990 membership form appears on the last page of the HAMSPLATTER. You may renew or begin your 1990 FWRC membership at your convenience. Members who have not renewed by January 31, 1990 will receive a "LAST ISSUE" message on their February 1990 HAMSPLATTER.

The membership form for 1990 asks about your ARRL membership as part of the ARRL Special Service Club program. (Currently 75 percent of the FWRC members are also ARRL members.) The form also contains a "mini-survey" of FWRC activities, and provisions for asking for Club ham assistance.

#### THE POINTS PLAN

George, KC9OH

Work continues on completing the documentation of the Points Plan. As reported at the October meeting, the plan is finished except for the definitions for the Public Service



... Editor" on November second in the first edition of the  
... press for the Radio Amateur. After reading about the  
... I then gave him my name and address. The  
... which hit KPA land. The vessel requested that we  
... of a girl on board that both she and the boat were OK.

I made a paid call to Wisconsin and the father answered. I said that I had a message  
from their daughter off the island of Curacao. I gave my call and that I was a Radio  
operator in Fort Wayne, IN. I told him that their daughter was safe. The father then  
told his spouse and they were very excited. I waited a bit and hung up. When I saw his  
... I called him and told him that I was a Radio Operator. I told him that as  
... on her ticket and wanted to thank me on the air. I told him that as  
... appreciated his letter except for the line about being a Hero. HI.

... the oldest member of the RWRC? Congratulations to Fred Pennington, who I met at  
... this past month. Also, WYUC, Chuck, who is the 45 year member. Chuck tells me that  
... getting around, but slower.

CLUSTER ACTIVITY  
Larry, WYUC  
The cluster is alive and doing well. Recently we have added a pair of stations 750 bands  
and an application. This document allows us to link to WYUC and Frankfort, IN, and from  
... and the link seems consistent.

... the CW 528 contest all 48 zones, and nearly 700 DX stations were spotted on the  
... Some of the new info on the cluster includes the addition of OSI routing, and a  
... list. The latter allows a user to list needed countries.

... the cluster is basically a 525 program, but the commands are somewhat different.  
... the only reason for this is that it is a 525 program.

WINCHESTER AREA CROP WALK  
Glenn, KBRAYW  
The third annual Winchester Area CROP Walk for World Hunger was held Sunday, October 17.  
... to the following RWRC members for providing radio communications and help:  
...  
... on upgrading to Glenn, KBRAYW, on upgrading to Glenn! Keep up the good  
... (Ed.)  
... Glenn! Advanced comes next!

CLUB AND RENEWAL TIME  
Bob, ABRL  
A 1990 membership form appears on the last page of the HANDBOOK. You may renew or begin  
your 1990 RWRC membership at your convenience. Members who have not renewed by January 31,  
... will receive a letter from the club.

... this form for 1990 asks about your ABRL membership as part of the RWRC. (Qualia  
... Currently 75 percent of the RWRC members are also ABRL members.)  
... and provisions for asking for  
... assistance.

THE FUTURE PLAN  
George, KCRGH  
... completing the documentation of the Points Plan. As reported at the  
... finished except for the applications for the Public Service



activities. I did not feel qualified to do those definitions, since that is not my area of interest, so I asked for a volunteer with some experience in the area of Public Service. Al, WD9FAQ, accepted the job. Hopefully, the complete plan will be ready for review at the November meeting.

### RADIO: THE ROOTS OF BROADCASTING

Jerry Whitaker

From Broadcast Engineering, Sept. 89

"Just a minute! Something's happening! Ladies and gentlemen, this is terrific. The end of the thing is beginning to flake off! The top is beginning to rotate like a screw! The thing must be metal! ... This is the most terrifying thing I have ever witnessed! Wait a minute. Someone is crawling out of the hollow top. Someone or...something. I can see peering out of that black two luminous disks...are they eyes? It might be a face. It might be..."

With that, Orson Welles and his Mercury Theater players unleashed the "War of the Worlds" on Halloween Eve of 1938. The play, only an hour long, caused people to dash hysterically into the streets, flock to churches to pray, or fatalistically face death at the hands of Martian invaders. From the CBS Radio Studio One in New York, Welles demonstrated, convincingly and disturbingly, the power of radio.

Since 1887, when Heinrich Hertz first sent and received radio waves, to the present, an amazing amount of progress has been made by radio and TV engineers and scientists. We take for granted today what was considered science fiction just a decade or two ago. The route from the primitive spark-gap transmitters to the present state-of-the-art has been charted by the pioneering efforts of many.

Broadcasting (along with telephone technology) has linked the world more closely than the early pioneers of the art could have imagined. Eighty years have passed since Charles D. (Doc) Herrold founded a voice station (as it then was known) at San Jose, CA. Developments between then and now have been marked by many inspired breakthroughs and many years of plain hard work.

In 1895, when Guglielmo Marconi was 21, he and his brother Alfonso first transmitted radio signals across the hills behind their home in Bologna, Italy. Unable to interest the Italian government in his invention, Marconi took his crude transmitter and receiver to England, where the British navy quickly realized the maritime potential of radio. Within two years, the Marconi Wireless Telegraph Company had been founded.

The invention of the vacuum tube diode by J. Ambrose Fleming in 1904 and the triode vacuum tube amplifier by Lee DeForest in 1906 launched broadcasting as we know it. Early experimental stations took this new technology and began developing their own tubes using in-house capabilities, including glass-blowing. As the young electronics industry began to grow, vacuum tubes were produced in great quantity and standardized (to a point), making it possible to share new developments and applications.

It is difficult to answer the question "Who was the first broadcaster?" Much depends on what is defined as broadcasting. When it comes to AM radio, the grandfather of the broadcast industry, five stations established a rich tradition of broadcasting firsts:

\* KDKA, Pittsburgh. Dr. Frank Conrad conducted the experimental work that led to the establishment of KDKA, which made its formal debut on Nov. 2, 1920. Conrad was apparently the first to use the term "broadcast" to describe a radio service.

\* WWJ, Detroit. The birthplace of broadcasting at WWJ was the Detroit News. The station signed on the air on Aug. 20, 1920. It was the first station to be operated by a newspaper, and the first commercial station to broadcast regularly scheduled daily programs.

...the complete plan will be ready for review at the ...

THE FIRST OF BROADCASTING

From Broadcast Engineering, Sept. 1928  
...a minute. Something's happening! Ladies and gentlemen, this is ...  
...beginning to take off! The top is beginning to rotate like a ...  
...the most terrifying thing I have ever witnessed! Well, a ...  
...is crawling out of the bottom too. Someone or... something. I can ...  
...that's what it is! That's what it is! That's what it is!

...the world, when Marconi and his brother-in-law, ...  
...the world. The play, only an hour long, caused people to ...  
...the world. The play, only an hour long, caused people to ...  
...the world. The play, only an hour long, caused people to ...  
...the world. The play, only an hour long, caused people to ...  
...the world. The play, only an hour long, caused people to ...

...the world, when Marconi first sent and received radio waves, ...  
...the world. The play, only an hour long, caused people to ...  
...the world. The play, only an hour long, caused people to ...  
...the world. The play, only an hour long, caused people to ...  
...the world. The play, only an hour long, caused people to ...  
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...the world, when Marconi first sent and received radio waves, ...  
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...the world, when Marconi first sent and received radio waves, ...  
...the world. The play, only an hour long, caused people to ...  
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\*KCBS, San Jose, CA. Doc Herrold's station at San Jose (which eventually became KCBS, San Francisco), began as an experimental operation with the first documented transmissions occurring in 1909. It is said of Herrold that he conceived the idea of broadcasting information and entertainment programs to the public.

\*WHA, Madison, WI. 9XM-WHA achieved its first successful transmission of voice and music in 1917 from the University of Wisconsin campus in Madison. Pioneers in the establishment of the station were Malcolm Hansen and Professor Earle Terry.

\* WGY, Schenectady, NY. Operated by the General Electric Company, WGY served as the test bed for many experiments in AM radio. Later efforts at the facility were directed toward perfecting FM and TV transmission.

Each of these stations was first in its own way, and each played a significant role in establishing the foundation for broadcasting. Contributions included both equipment and technology.

Most stations in the 1910s and '20s built their own gear. For example, at the University of Wisconsin, Madison, special transmitting tubes were built by hand as needed to keep radio station 9XM, which later became WHA, on the air. The tubes were designed, constructed and tested by Professor E. M. Terry and a group of his students in the university laboratories. Some of the tubes also were used in wireless telephonic experiments carried on with the Great Lakes Naval Training Station during 1918, when wartime ban was imposed on wireless broadcasts.

It took many hours to make each tube. The air was extracted by means of a mercury vapor vacuum pump while the filaments were lighted and the plate voltage was on. As the vacuum increased, the plate current was raised until the plate became red-hot. This out-gassing process was primitive, but it worked. The students frequently worked through the night to get a tube ready for the day's broadcasting. When completed, it might last only a few minutes before burning out.

Plate dissipation on the early tubes, designated No. 1, No. 2, and so on, was about 25W. Tube No. 5 had a power output of about 50W. Tube Nos. 6, 7, and 8 were capable of approximately 75W. Tube No. 8 was one of the earliest handmade commercial products.

Sarnoff: the visionary The "broadcasters" of the 1920s and early '30s were experimenters, not business people. Some businesses did, however, spring from the makeshift laboratories of the early scientists. David Sarnoff, general manager of RCA, was quick to capitalize on the new medium.

Sarnoff was a powerful figure in the development of radio broadcasting in the 1920s and '30s, and a key mover in the development of television from its beginning in the late 1920s through maturity in the '50s and beyond. Sarnoff was born in Russia in 1891, and came to the United States at the age of nine. After completing his schooling, Sarnoff secured a job as a telegraph operator with the Marconi Wireless Company and quickly proceeded to make a name for himself. In 1912, at the age of 21, he intercepted the first distress signals from the doomed ship "Titanic." Sarnoff stayed at his post for 72 straight hours to keep the world apprised of the rescue attempts and to broadcast the names of survivors. When the disaster was over, Sarnoff was a household word. Four years later, Sarnoff was a contracts manager at the Marconi Company. He sent a memo to his boss suggesting the use of radio for entertainment:

"I have in mind a plan of development which would make radio a household utility in the same sense as the piano or phonograph...The receiver can be designed in the form of a simple 'Radio Music Box'...(which) can be placed in the parlor or living room."





Sarnoff's marketing vision and appetite for hard work led him in 1919 to join the Radio Corporation of America (RCA) as general manager. RCA was created by General Electric when the American Marconi Company was returned to private control by the U.S. government following wartime operations. RCA's function was principally to handle the nation's overseas communications. RCA later became a stand-alone company, independent of GE. Because he had been awarded the rank of Brigadier General, Sarnoff was best known at RCA in the years following World War II as "The General."

Sarnoff's and RCA's first major project was the construction of a huge radio transmitting station at Rock Point, NY. The facility, completed in 1921, was hailed by President Harding as a milestone in wireless progress. In fact, Harding put the station into operation by throwing a switch that had been rigged up at the White House. Wireless stations around the globe had been alerted to tune in for a congratulatory statement by the president.

For a decade, Radio Central, as it was known, was the only means of direct communication with Europe. It was also the "hopping off" point for messages transmitted by RCA to Central and South America.

The Rocky Point site was not only famous for its role in communications, but also for the pioneers of the radio age who regularly visited there. The guest book lists such men as Guglielmo Marconi, Lee DeForest, Charles Steinmetz, Nikola Tesla, David Sarnoff, and many others. Radio Central was a milestone in transatlantic communications.

There were originally two antenna structures at the Rocky Point site, each with six 410-foot towers. The towers stretched over a 3-mile area on the eastern end of Long Island.

The facility long outlived its usefulness. RCA demolished one group of six towers in the 1950s; five more were destroyed in early 1960. The last tower of the once mighty Radio Central was taken down on Dec. 13, 1977.





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The HAMSPLATTER is published monthly by the members of the Fort Wayne Radio Club. All items to be published are required by the editor before the first Friday of the month.  
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|                           |        |                       |                          |
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#### FORT WAYNE RADIO CLUB REPEATERS

|               |     |               |     |                 |     |
|---------------|-----|---------------|-----|-----------------|-----|
| IN            | OUT | IN            | OUT | IN              | OUT |
| 146.16/146.76 |     | 146.31/146.91 |     | 449.875/444.875 |     |
| (open)        |     | (auto-patch)  |     | (open)          |     |

OUR REPEATERS ARE OPEN, INCLUDING THE AUTO-PATCH

#### MEETING NOTICE

This month's meeting is Friday, October 20, at 1930. Location is the regular meeting site...the Salem Church on Lake Avenue, just East of the VA Hospital.

This month's program will be a talk and demonstration of a QRP station and will be presented by George, KC9OH.

#### ARRL MEMBERS

Bob, AB9U

A Big FWRC Thank-You to Bob, K9BLI, Glenn, KB9AYY, and Bill, N9FNK, for renewing their ARRL memberships through the FWRC. Each has also included the ARRL pre-printed renewal notice, thus earning this Thank You in the HAMSPLATTER. Remember, when you renew your ARRL membership through the FWRC, you are contributing to the Club through the ARRL Affiliated Club Program. It's easy! Just enclose your renewal notice along with a check (made out to FWRC) in an envelope and send it to the Club, PO Box 15127, or, better yet, save a stamp...bring it to a meeting.

#### SEPTEMBER CLUB MEETING MINUTES

Dan, N9GWG

The September meeting was held at the Salem Church on Lake Avenue on August 18, 1989. The meeting was called to order by Frank, K1FJ, at 1935. The first item for the evening was the program. This evening's presentation was provided by Dave Elson of the National Weather Service. The original speaker could not make it, so Dave came in his stead. His topic was Severe Weather and the spotter system. A short movie was shown depicting thunderstorms and the formation of tornados. A dissertation on the topic followed with a question and answer session. The program was enjoyed by all.

The business meeting followed and the minutes were accepted as presented in the HAMSPLATTER. The attendance for this evenings meeting was 31 members and guests.

Bob, AB9U, gave the treasurers report next and stated that the Club balance was \$4321.81.



Al, WD9FAQ, reported on the Labor Day rest stop stating that the Club raised approximately \$200. He also mentioned that the membership should start thinking about volunteering for this years Ham Santa program this Christmas season.

George, KC9OH, reported on our Club picnic stating that the members who were present had a very enjoyable day and that the picnic would be held again next year.

The ACARTS representative for the joint upcoming Code and Theory classes, Bruce, N9DGL, stated that over 40 prospective Hams had signed up, and that the class was considered full.

New Business -

George, KC9OH, proposed that W9TE be put on the air for the upcoming CQ WW CW contest, and volunteered his station for the event. All interested members should contact George.

Frank and George gave a dissertation on the Point Plan outlined in the HAMSPLATTER and asked for input from members. The details are still being worked on at this time.

Bill, KA9A, called for interested members to consider joining the FWDXA. The FWDXA is upgrading its Packetcluster system, and new members are being sought to help expand the system.

The meeting was brought to a close at 2125.

The meeting was closed at 2130.

#### PRESIDENT'S CORNER

Frank, K1FJ

One of the largest Novice class sessions in recent memory is presently underway. In true Amateur Radio spirit, both the area Amateur Radio clubs are co-sponsoring the Fall 1989 Novice classes. The latest count that I have heard is that there are 27 prospective hams taking the Novice class at Memorial Park School in Fort Wayne. Bruce Cadwell, N9DGL, and Dick Erwin, N9BNA, are teaching the course which meets two times a week for a period of six weeks.

Both clubs are supplying material and the necessary manpower to run the class. As an added bonus, both clubs are sending complimentary issues of their respective newsletters to the potential hams. We extend a sincere GOOD LUCK to these people that will be entering the ranks of Amateur Radio. Fort Wayne boasts a strong ham population and, on behalf of the FWRC, I invite the students to attend at least one meeting of both clubs and get to meet other hams.

As you all are aware, election time for the FWRC is fast approaching. If you wish to run for an elective office, there is still time to get nominated. Nominations will be taken up to election time at the November meeting. I encourage all Club members to participate in this process. Some of the present officers have indicated their desire to run and have stated their goals for the coming year. I have encouraged this activity as a means for the general membership to vote with some knowledge of the views of the people running for office.

The FWRC is going to institute an exciting new feature to encourage club activity and invigorate club spirit. The FWRC is going to award points for various activities that are taken on by individual members. The goal is to give all members a chance to participate in an activity that he/she feels they would like to do, get recognized for it, and help the club out. In return, the club will hold an awards ceremony to honor those who further the





FWRC in three areas: Public Service, Operating Activity, and Club Administration. Years ago, the Club used to hold a banquet. I would like to either see that revived as an annual event, or encourage the newest, and more family oriented, event, the FWRC Annual Picnic. Either of these events would be a means by which the Club members who garner the most points through Club activities can be recognized for their efforts. I endorse this plan, and encourage others to give it a chance and talk it up. George, KC9OH, is the person responsible for the plan, and the board is also in favor of it. More details on the plan for the FWRC points system will be found in the coming months. The planned implementation date for this new program is January of 1990.

Remember to renew your FWRC dues for the coming year. A form is part of the newsletter and will be part of the newsletter during the next few months. You can also renew at the FWRC table at the Fort Wayne Hamfest in November, or at any regular club meeting.

In the IRCC newsletter, The Bison, the Indiana Section Manager, Bruce Woodward, W9UMH, commented that the Fort Wayne Radio Club newsletter, the Hamsplatter, was one of the best newsletters in the Midwest. A lot of work goes into the Hamsplatter by many people, and every member should take pride in it.

Remember that the Fort Wayne Radio Club has a mailbox on 145.05, being run by K1FJ. Access using the connect command to K1FJ-2. Club news of upcoming programs and events are found on the mailbox. Packet is a perfect way to provide messages to other hams and make announcements on a quick basis. It also allows for members to leave messages for the club officers and for other members.

#### ELMER TABLE

Bruce, N9DGL, & Dick, N9BNA

The instructors of the current code and theory class for Novices are planning to provide an "Elmer Table" at the Fort Wayne Hamfest. This will be for the benefit of the newly licensed hams or prospective hams who may be seeking help selecting equipment that is available at the hamfest. "Elmers" will be asked to help man the table on a part time basis.

All amateurs should alert their prospective or new ham friends to the availability of this service.

#### LETTER OF INTENT

Al, WD9FAQ

Earlier this year, FWRC's president asked that all potential candidates for club offices write a position paper on where that candidate would like to guide FWRC. That sounded like a swell idea to me--until I started trying to put my ideas into a succinct, organized manner.

First, I hope that no matter what office I may be nominated for, that I run against someone else. Being able to pick the best candidate for the office is best for FWRC.

Let me say that my primary loyalty is to the Amateur Radio Service. I hope to serve Amateur Radio through serving FWRC, but I will never, knowingly, put FWRC before the good of Amateur Radio.

In this light I would like to broaden FWRC's understanding of what it means to be Fort Wayne's only 'General Interest' Amateur Radio Club, or, more properly, the image that those who do not belong to FWRC have of our understanding of the meaning. Too many times this year, I have heard that all FWRC is interested in is DX and contesting. There are so many other things, like classes, public service, and emergency training, that I couldn't even start to make a list.





I would like to work toward more family involvement in FWRC functions. It would be nice to re-instate social functions like the Club Christmas Party, Club Banquet, and the Funfest.

On the other hand, I don't want to slight operating activities. I don't want another Field Day like the one we almost didn't have this year. Although it was great for the fairly new hams, it was not up to the FWRC norm. I'd like to find a better mix--still good for the new hams, yet challenging enough for the contesters, too. I'll need a lot of help on this one, folks!

Along the same lines, I hope the interest can be renewed in the FWRC award. That program is far too good to let it fall into disuse. Also, I would like to see that W9TE call used by someone each month. I would like to have the W9TE logbooks reviewed for the purpose of applying for various awards.

I would like to further the cause of Amateur Radio locally by working more closely with ACARTS, without destroying the separate identities of the two clubs. For example, I think that by working together with ACARTS on classes, there can be upgrade classes offered on a regular basis, as well as Novice classes--without straining either club.

I have heard the way that the FWRC constitution allows the Club to do business described as 'embarrassingly casual.' Fort Wayne, and FWRC are large enough that we should look at this from both administrative and fiscal perspectives. We should ammend our constitution to reflect the very professional way that we try to do business. In other words, I want FWRC to always be on solid ground financially and administratively!

Since repeaters are so much a part of the fabric of Amateur Radio today, and in the near future, I hope 146.16/.76 will be upgraded from time to time. It's part of being 'General Interest.' FWRC also needs at least one repeater to support its club functions. Thus, we need it to make a good impression on its users because it, in a way, tells about what kind of club FWRC is. FWRC probably also needs a presence on 440 MHz, too. I am, however, very concerned about what 146.31/.91 says about FWRC. I think that we should either make it into a full function repeater, or put the autopatch on .76, and remove .91 from service. As handy as an autopatch only repeater is at times, I just think that it tells the wrong story about FWRC.

I also would like to see a 220 MHz repeater locally for the Novices. I've heard that there is a repeater on 220 MHz in Fort Wayne, yet I'm not sure that it receives the publicity that it should. I'd like to do something here for several reasons. For one, let's encourage the Novice to operate, stay in Amateur Radio, and upgrade. For another, when we have our next local emergency, we can provide more operators, Novice and above, than we can Tech and above. We sure could put the extra manpower to good use if we develop 220 MHz locally.

That's more than could be accomplished in ten years, but it helps to understand what I would like to do for Amateur Radio through FWRC. If it seems that I would like to make FWRC all things for all people, that is exactly the point. Isn't that what 'General Interest' is all about?

Now if I could just get my son to come to FWRC meetings, get his callsign, and act like he had some up-brining!

#### LETTER OF INTENT

Dick, N9BNA

This letter outlines my interest in the forthcoming Club elections, and my ideas on some Club objectives, and objectives for the entire fraternity as well.



I would stand as a candidate for the board again, but not as an officer of the Club. I have a business that I run alone and it is taking, and will continue to take, more of my time than I like to think about. I do want to contribute some effort to Amateur Radio.

I would like to stay on the board so as to be close to Club administration in the area of increasing the numbers of licensed amateur radio operators, either by ourselves, or, preferably, through the education system, public and private. It is going to take some effort to push Education Administration in the right way and in the right direction. The teachers who are also amateurs can, and should, be encouraged to help get something implemented. They could, are are, in some cases, contributing to the cause.

I understand there is a movement underway for more remedial work to be done in an effort to help middle and high school level students get what a lot of them missed in the basics in their earlier school years. Amateurs could contribute to this type program. I am tracking this movement on my own.

There can be more educational things done within the Club itself for the edification of the entire membership. Possibly the Club could work more closely with special interest groups that are in existence by themselves now, in an effort to get them operating within the Club framework.

Finally, I would like to see all the barriers between ACARTS and FWRC come down. I do not advocate one big club. Two clubs are fine so they can each concentrate on certain areas of amateur radio specialties. FWRC can have inside groups in some of these specialties and still be a general interest club at the same time. The joint sponsorship of code and theory classes is a step in this direction, regardless of the feelings of some people in both clubs to the contrary.

Either as a board member, or just a Club member, these are where some of my efforts will go.

#### LETTER OF INTENT

Bob, AB9U

This letter informs you of my interest in being nominated for the office of TREASURER. My accomplishments in this office for 1989 have been:

- 1- Established the use of professional double-entry accounting system with full reporting capabilities for Club financial records. This replaces the previous manual entry accounting ledger system.
- 2- Obtained the required federal certification of the Club identification number needed for banking and IRS identification purposes.
- 3- Instituted full budgeting and accountability control over Club income and expenditures.
- 4- Promoted the use of the ARRL/Club membership renewal program as a method of increasing the Club income. Income from this method is currently 42 percent above the budgeted level, and could constitute one sixth of the total Club income.
- 5- Established a Club financial position free of debt.
- 6- Enhanced the Club financial position through the transfer of Club funds to a more advantageous financial institution. This results in a projected net increase in Club funds of 5 percent of the annual dues income.





7- Supported the policies of the board of directors and the decisions of the Club membership through the timely acceptance and handling of Club funds, and the prompt payment of approved Club obligations.

#### Proposed Goals for the 1990 Year:

The primary emphasis of the Club should be to fill a role not supported by other Fort Wayne Amateur Radio organizations...the support of all aspects of communication on HF frequencies. The Club should continue in its full range of support for Amateur Radio, but with controlled emphasis on activities already extensively supported by others in the area. The Club should expend its resources for the betterment of the members and the amateur community, but not in a competitive role.

The fostering of new amateur radio operators continues to be a nationwide concern, and the Club should expend an appropriate effort in this area.

The promotion of public service through amateur radio is important for the continued justification and existence of the amateur radio service, and should be a major priority of the Club.

The Club should support only those activities that can be handled through the volunteer efforts of an adequate number of Club members. No Club volunteer should be obligated to an un-welcomed burden due to the inaction or disinterest of others. To prevent embarrassment to the Club, and its officers, only adequately staffed efforts should be undertaken in the name of the Club.

The Club should place primary emphasis on those activities that have the broadest interest level to members, and that will be helpful to the greatest number of members.

The Club should establish and begin a long-term series of efforts directed at fostering continuity of Club purpose transcending the various changes in Club administration.

The Club should begin a long-term process directed at increasing Club membership of current and new amateurs in the area. Membership should be increased by providing activities and services of a broad interest level.

#### A LITTLE BIT OF VICE

A1, WD9FAQ

Labor Day and its Safety Break have come and gone, and it's October already. My how time flies! I haven't even given a written report on the Safety Break for those that missed the verbal report that I gave at the September Club meeting. It was a lot of fun, and we earned the Club approximately \$200. Those who enjoyed working the Safety Break included Terry Dull, N9HUJ; Bill Hall, WD9HII; Mark Koeneman, awaiting call; Joe Briggs, KE9T; Jesse Cullar, KA9HTH, and his XYL, Dorothy; Dean Whitesel, WA9RRY; Walter Johnson, K9JMT; Larry Burke, N9HVP; Jacob Burke, KA9ZTB; John Webb, KA9GBX; Vince Cook, KA9ULN; Dick Evans, W8TXZ; Lester Morse, KA9LAR; Glenn Linsky, KB9AYY; Jim Wolf, KR9U; Rose Polk, N9GSP; and, of course, yours truly. I hope I didn't miss anyone, mis-spell anyone's name, or goof-up on anyone's callsign. Many thanks to all -- especially to Dean Whitesel, WA9RRY. I had some trouble with my car, and found Rose and myself stranded without a way to go close Saturday night or open-up Sunday morning. A phone call to Dean was all that was required. I'm glad that the Club has members like that!

Since it's already October, there are a few activities to keep in mind. It's election time at FWRC. Nominations are to be made at the October and November meetings. The election of officers takes place at the November meeting. I hope that we can have at least two candidates for each office this year. Selecting the best person for the office tends to make sure that the Club works better.





Halloween is also at the end of October. We all know that means Trick-or-Treating, pranks, and, maybe, Pumpkin Patrols. Let's all be ready if the Amateur Radio community is asked to assist in this way.

Another upcoming event is the Simulated Emergency Test (SET). SET is scheduled for October 21 and 22. This evening I overheard Howard, N9ADS, telling another station that there wasn't much planned for the SET this year, but that could change. I understand that the Emergency Operations Center (EOC) will be open on the Sunday afternoon and/or evening of the SET. The EOC is in the basement of the City/County Building. It is quite an impressive facility. Come on down and see it. Remember, SET is the weekend right after the Club meeting. (Also, the SET and EOC aren't just for two meter FMers from ACARTS, they are for all hams--HFers included.)

As I write this we are in the third week of our first joint Novice class with ACARTS. I have heard that they seem to be going at least as well as can be expected. I'm sure that there have already been some drop-outs, but there should be a fine harvest of new calls in a few weeks.

It's time to start thinking about this year's Santa visit. I am trying to arrange this for 16 December 1989 at 1330. I'm going to try to get team leaders arranged before the meeting, too. Here's another chance to have fun while helping others. So sign up at the Club meeting.

OTC

Ted, W9TC

I am writing this article as I monitor stations in the storm affected area. This is the fifth day since Hugo hit St. Croix. For a number of years I have worked on 14.313 with KV4II, Verne, and her husband Dick, KV4IJ. This couple lost the roof on their home, and Dick has three broken ribs. Dick, a former VP at Dupont, is unsighted. I have just been informed that KA9A's father, Bert, KV4AD, lost the roof on his home and is operating at one of the St. Croix stations. KV4AD hit the 80 year mark this month.

St. Croix has just announced they have one phone line via satellite in operation. I received a call from a lady visiting Fort Wayne for whom I handled some traffic. She tells me that her husband on St. Croix just called after waiting in line for four hours. They were able to talk for three minutes.

Today the first plane load of people arrived in Florida. With no money, no homes, only belongings which they had carried. Red Cross and Salvation Army is handling this. After operating on 14.313 for over 20 years, a number of nets using that frequency from 1100 to 0200 UTC were forced to move to 14300 due to interference. A bit of humor shows from time to time, even during tragic times. A state side station working a YL in the storm area asked her to direct her beam towards him to give him a better signal. She had to tell him due to the emergency they were using wire dipoles.

What can you do to help those in the disaster areas? LISTEN! If they call for your area, put your call in once and listen. See who they come back to. Remember, the affected area at the start is only interested in placing out-going traffic. Once they have cleared that traffic, they turn to local problems. Only then will they want to handle incoming traffic. Next, they have a problem of clearing or delivery of the Health and Welfare traffic. There will be no telephones. (In the present disaster, the Hams did set up one.) So they must now post a list of the incoming messages, then have runners (Boy Scouts, etc.). After several days there may be a broadcast station which will read the list from time to time. You can now understand why they don't need Health and Welfare messages in the beginning.

What do you do if requested to take a Health and Welfare message for the area of disaster? Use the ARRL numbered message form if possible. Place it on either the IN phone net, 3910,



on the CW net, QIN, at 3656. It will be passed to the NTS National Traffic System and be placed on file until they have an outlet. If all else fails, call either W9PRO, Hap, or W9TC. I prefer that you call Hap; he is better looking and younger. You could wait until the pressure is off and go direct.

Around 35 years ago, W9PRO told the State Government in Indy that the most reliable communication during an emergency between Ft. Wayne and Indy was Radio Teletype. They didn't believe him. Hap borrowed my Model 26 (green keys), went to Indy, made the set-up and called W9VMG, George. George prepared a mock disaster report of several pages. George, using a perf tape, unloaded the information to Hap in 2 or 3 minutes. The Indy officials became believers.

Possibly FWRC can have a portable Packet station ready which would be moved to any near disaster site ready to go. However, there is a problem. My grandson in North Carolina moved his packet station to their local Red Cross this past week. Due to loss of power and phone service in that part of NC, he was unable to make a connection. They handled their traffic via phone.

I believe that packet is the way to go. However, you must always have a few CW men on standby when you have marginal signals and static. The Wednesday prior to the big storm, I was Net Control Station on 14.300. Several vessels in the storm area were reporting in. One very weak one checked in and no one was able to copy. I requested the vessel to change to CW. No response. Did he ride out the storm? You will like this message out of the storm area: "SEND BOX- BATTERIES -SMALL TV- SIGNED MOM.

#### FWRC RENEWS SPECIAL SERVICE CLUB STATUS

from IRCC BISON

Bruce Woodward, W9UMH, the Indiana Section Manager, announced that the Fort Wayne Radio Club had renewed its status as an ARRL Special Service Club. The Club carries on many activities including training classes, public service, and testing. Its Club newsletter, the HAMSPLATTER, is one of the best in the midwest. It is one of the oldest clubs in Indiana.

#### THE POINTS PLAN

George, KC9OH

The ad hoc committee for the Points Plan met on September 24 to continue work on defining the details of the Plan. The list of eligible activities was finalized and a point value was assigned to each activity. The activity definitions written to that time were reviewed and agreed upon. In addition, an implementation goal was established. It was agreed to set the first of the year as the target date for implementing the Plan. The following is the agreed upon list of activities, along with their point value:

#### ADMINISTRATIVE CATEGORY

| <u>ACTIVITY</u>           | <u>POINTS</u> |
|---------------------------|---------------|
| Club meeting attendance   | 1             |
| Board meeting attenda     | 1             |
| HAMSPLATTER editor        | 10            |
| Elected officers          | 9             |
| Committee chairman        | 3             |
| Committee member          | 2             |
| Find a program            | 2             |
| Present a program         | 3             |
| Teach Amateur Radio class | 4             |
| Write HAMSPLATTER article | 3             |





## OPERATING CATEGORY

| <u>ACTIVITY</u>                   | <u>POINTS</u> |
|-----------------------------------|---------------|
| Participate in Novice Roundup     | 4             |
| Participate in Field Day          | 8             |
| Participate in S.E.T.             | 8             |
| Participate in other contest      | 4             |
| W9TE sponsor                      | 4             |
| Organize a Club technical project | 9             |
| Member of Technical Committee     | 4             |

## PUBLIC SERVICE CATEGORY

| <u>ACTIVITY</u>                      | <u>POINTS</u> |
|--------------------------------------|---------------|
| Participate in Rest Stop             | 8             |
| Participate in Santa Claus Net       | 8             |
| Participate in Three Rivers Festival | 4             |
| Act as an Elmer                      | 8             |
| Handle traffic                       | 4             |
| Public relations                     | 4             |
| Special activity                     | 4             |

Following is a few of the more interesting activity definitions:

Elected Officer Serve as a regularly elected Club officer. The point value given in section 2.1.1 is awarded only at the completion of the official Club yearly elected office holding term. For example, the current elected officers include President, Vice-president, Secretary, Treasurer, Board members, and Communication Manager. The current Club office year is the same as the calendar year. The points would be awarded to the person holding an office on the last day of the year. But they would not be awarded until the first day of the next year. That is, a person holding office on December 31, 1989 cannot claim the points until January 1, 1990.

HAMSPLATTER Article The article must be an original written dissertation on a single subject or theme. The article must have a minimum length of one-half of a single spaced, type written, 8 1/2 X 11 inch page. Simple announcements and For Sale items do not constitute an article. The point value given in section 2.1.1 is awarded on the date of the regular Club meeting of the month in which the article appears. Points are issued to the person credited in the By-line of the article as published.

W9TE Sponsor The sponsor must avail his equipment and hamshack facilities for the use of the pre-designated Club members to participate in the sponsored activity using the W9TE callsign. The point value given in section 2.1.2 is awarded at the completion of the sponsored activity.

For example, allow the Club to use your equipment at your house to participate in the CQ WW DX CW contest using the W9TE callsign. The persons authorized to operate the equipment would be those listed on the activity sign-up sheet.

We continue to solicit your comments on the Plan...Did we forget something?? I will continue to keep you updated on our progress through this column.

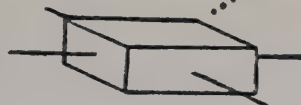




# HAM SPLATTER



THE FORT WAYNE RADIO CLUB  
SINCE 1920



EDITOR---Ron Koczor, K9TUS

The HAMSPLATTER is published monthly by The Fort Wayne Radio Club . All items to be published are required by the editor before the first Friday of the month.

PRESIDENT---William Kindred, WA9RAP (485-8044)  
VICE PRES.---Carole Burke, WB9RUS

SECRETARY---Al Burke, WB9SSE  
TREASURER---Dave Gingrich, K9DC

VOLUME 6 NUMBER 5

MAY 1979

## MEETING NOTICE

There is NO regular, Friday night meeting this month. See you all at the Banquet!!!

# SPRING BANQUET

SATURDAY, MAY 19, 6:30PM  
AT THE LAMP POST !

Everything is ready for the FWRC 1979 Spring Banquet...all we need is you !! Jack, KB9EM, notes that the speaker, The Rev. Phillip Philmore, has his speech ready, The Burkes have the prizes ready, the restaurant has the food ready, and all is in order! All he needs to know is who is coming.

Jack has to tell the restaurant how many people are attending on Thursday morning, the 17th. That means he has to know by Wednesday evening. The calling committee, headed by Bill, WB9UJP, will try to contact all Club members who live in town by the time you read this. They are not calling long distance numbers, so if you live out of town and want to attend...or if you haven't been called by the time you get your newsletter...call Jack DeTurk at 749-4731. If you let Jack know, he will have your tickets for you at the door. But there will not be any extra places...so you have to let him know if you want to attend.

Carole, WB9RUS, says that the prize list is growing. There'll be plenty to go around! In addition, Lynn, W9FC, Ken, K9KB, and John, K9UWA, will receive their Sweepstakes prizes, and the winner of the logo winner will be announced.

The Lamp Post is located at 5821 S. Anthony Blvd., just south of Paulding Road. It is on the east side of Anthony Blvd. The Cash Bar opens at 6:30 pm, and the dinner is at 7 pm. Tickets are \$8 per person. Plan to attend. There will be fun and good food for all. You may even make a new friend or two.

## THE VOLCANO ON ST. VINCENT ISLAND

Hr REPORT

The volcanic eruption on St. Vincent's island last month essentially destroyed the island's conventional communications facilities and once again proved to the world the value of amateur radio. The island nation was left cut off from the world until amateur radio filled the breach. VP2s SQ, SHE, SAZ, SK, and others set up a communications center at the police headquarters while other amateurs operated from police stations and relief centers throughout the island...providing almost all of the island's internal communications for a couple of weeks.

Island Premier, Milton Cato, relayed to Miami Coast Guard via KV4FZ, requested help. Three helicopter equipped Coast Guard cutters were immediately dispatched. Herb also requested an emergency OK for third party traffic from the FCC and State Dept...it came in only 1½ hours! Since then, 40 and 80 meters were alive with health and welfare traffic.

The Coast Guard and military along with the amateurs were using the amateur bands for essential communications...K5OPG/mm is on one cutter, while the others, with no licensed amateurs aboard, used their Coast Guard identification. C-130 transports have been bringing relief supplies from the Canal Zone and were also using 40 meters primarily.

The amateur bands are also supplying inter-island communications. 8P6AA and 8P6AH have a link operating between the embassy in Barbados and St. Vincent police headquarters, handling all the relief traffic between those two countries.

After shocks were being felt for several weeks after the initial eruption and rescue and relief operations are continuing...still principally dependent on amateur radio for communications.

#### HAPPENINGS AROUND THE CLUB

The Club's Sister City Certificates were mailed to Yasuo, JA9LB, who is President of the Takaoka Club. The certificates make the Takaoka Club members honorary members of FWRC. The certificates turned out very nicely and extra copies are available from Ron, K9TUS, for 25¢. Pick one up at the June Club meeting and add it to your collection!

Work will soon begin on another Club certificate. Herb, WA9HPE, was told to QSL by a UA0 station (in the middle of a pileup, no less!) when the UA0 found out that Herb was a member of FWRC. The Russian said that he was collecting FWRC QSL cards and wanted to get a FWRC certificate! So we'll see what we can do for him!

Joe, WB9PXT, had his photo-taking session for EOC badges early this month. There are now about 150 authorized EOC operators. Joe notes that there are still some area hams who have expressed interest in becoming involved in the program. Joe needs to know your name, address and callsign so that he can mail you the application form.

If you are interested in the EOC and haven't had your picture taken yet, contact Joe at 627-2422.

Club members should note with some pride that the new Magnavox Sonobouy Testing facility in the Interstate Industrial Park was dedicated to and named after Bob Dreisbach, WB9PQG, a longtime Club member who passed away recently. Bob was an engineer at Magnavox for many years. He was also one of Fort Wayne's true radio pioneers.

Before you throw away your old callsign license plate, note the following, sent to me by Ray, K9KI. Susan Sutera, 5 Spencer Path, St. Peters, Missouri, 63376, collects ham radio plates and would happily reimburse you for postage if you'll send her your plates. She says that she does not have plates from Indiana and is looking forward to receiving some. Put them to good use!

Listen for 8J9ITU, a special events station from Takaoka from May 12 to May 17. It is a special ITU project by the Takaoka Club. If you work them, tell them you're in FWRC. They have a very pretty QSL card.

Jim Miller, WB9YWC, reports that his Wilson Mark 4 HT was stolen on April 20th. It was stolen from his garage. The serial number is 13821-343. If you run across it...like at a hamfest or somewhere, Jim would like a call at 422-4947.

Congratulations to the following new hams.

Gary Carpenter KA9CZD (N)

Barry Coe KA9DWF (N)

Tom Rush KA9CZH (N)

#### FOR SALE:

DENTRON MLA-2500 80-10 meter linear amplifier, 2Kw PEP. ATB-34 triband beam. 40 feet of TV-type tower. For all the above, call Jack DeTurk, KB9EM, at 749-4731.

ICOM IC-211. KENWOOD TS-600 w/VOX accessory. DENTRON SUPER TUNER. YAESU 901DM, w/ YD 148 desk mike and SP901D speaker. B&W 170-10 antenna for apt. dwellers. YAESU FT-7B w/ all crystals. YAESU YD844 mike. MFJ code practice oscillator. SCP swr/ watt meter, 10-2000 watts. For all of the above, call Craig Bienz, WD9FAR, at 485-3107, after five pm on weekdays.

ICOM IC-22A, 2 meter rig, complete with nicad rig for portable operating, and 11 sets of crystals, 28/88, 16/76, 34/94, 37/97, 22/82, 25/85, 07/67, 52/52, 94/94, 46/46, 31/91. Rig is in good cond. and has 1 or 10 watt output. \$195. Call George Womack II, 1028 S. 13th Street, Decatur, Indiana.

#### LE RANCH ROAD DXer

Bill Thomas, WB9UJP

With bleary eyes and rumpled shirt,  
He pressed the mike switch down.  
One more time--He'd make it NOW--he'd work that DX clown!

"Whiskey Nine and Lima Tango," shouted clear and true,  
He knew with clipping and power to spare,  
He'd get HIS signal thru!

"Lima Tango, call again," he heard his target say.  
So once again, the relays clacked the signal on its way.  
Six mighty elements flexed their arms to take that heavy power,  
And out from his antenna came a veritable meteor shower!

"Whiskey Nine London Tokyo,"--he'd changed his suffix sound,  
"Lima Tokyo?? London Tango?"--confusion did abound.  
The DX station's tongue was twisted, and thus could not reply,  
But sensing this, Ray's relays clacked...the signal swamped the sky.

"Double You Nine Ell Tee...Dubble You Nine Ell Tee," Can't you copy now???  
(He wished he were on the other end, to show that idiot how!)  
Lamar was tired...and frustrated too...he tried everything on the man,  
But was he dismayed, when the DX relayed,  
"Go ahead Kay Nine Jock Strap."



Have you ever heard that question? I have, and as a long time supporter of the Club, I consider it a challenge. So I sat down a few days ago and came up with the following list of benefits you get from the Club.

- 1) You receive the Club newsletter, The HAMSPLATTER, each month.
- 2) You are entitled to participate in our fine Field Day activity each year.
- 3) You are entitled to take part in the Three Rivers Festival Exhibit each year.
- 4) You can enter contests and be eligible to win our Club awards. In past years, the first prizes have been personalized Cross pens.
- 5) You are entitled to attend our May Banquet.
- 6) You are entitled to use the Club Callbooks and supplements. This past year, they cost \$54...quite an outlay for an individual!
- 7) You are eligible to use the unique FWRC QSL card.
- 8) You can participate in the Christmas Santa Hospital Visit each year.
- 9) You can come to our meetings and meet some of the friendliest hams in the area...and you need not feel like an outsider!

Of course you can do many of these things without being a member. Our activities are usually open to all area hams. But why be an outsider? Fort Wayne Radio Club is active, growing, and fun! And the only "clique" in the Club is the "clique" that volunteers to get things done...and that changes with each activity!

Join us. We have fun...you will too, if you give yourself a chance!

#### FIELD DAY 1979

LaMar Ray, W9LT

Plans are moving along for the Club Field Day event. At a recent meeting, we discussed some of the plans, and I'd like to share them with some of you who weren't there.

As in the recent past, our goal for this year is to get the maximum score while allowing all who want to operate to do so. Also, we hope to expose as many Club members as possible to the skills and tasks which are involved in setting up a multi-station emergency communications field site. That's a big bite to chew each year; however, I think that we've done pretty well so far.

Lynn, W9FC, is this year's F.D. Chairman and he's set up some of the many committees needed to get the job done. Al, K9FW, is Lynn's assistant Chairman, Joe, WB9PXT, is the power chief, and Al, WB9SSE, is in charge of the food. There will be six station managers assigned to set up and keep the stations operating.

In the past five years, FWRC has done excellently in its annual outing:

1974...#15 in 3A Class  
 1975...#4 in 3A Class  
 1976...#2 in 4A Class  
 1977...#3 in 4A Class  
 1978...#3 in 4A Class

Those are our standings in the entire country. In 1978 we were third in the country out of 159 entrants in the 4A Class...a result that any general interest, non-contest group can be proud of!

This year we will have the same basic set up as last year, four HF stations plus a Novice/Technician station and an OSCAR station. Our antennas will improve somewhat and interference should be down.

The station managers will determine who will operate and when. When you get to the site, find the manager of the station you want to operate and let him know you're ready.

As usual, the Chairman and his aides will need the backing of the entire Club. Six or seven people cannot pull this together...it takes 40 or 50. Lynn will need help on Friday for antenna set up, Saturday morning for final set up, and Sunday afternoon for take down.

If you have something to contribute, be it equipment or a strong back, let Lynn know. This is especially true of our Novices and Technicians. There'll be a station there for you to operate, if you're interested.

#### HAM RADIO...A PRIVILEGE TO BE USED

Ron Koczor, K9TUS

Bill, WA9RAP, and Jack, KB9EM, note that this Spring's Code and Theory courses should result in a large group of new Novices and upgrades. Most of the students really hung in there!

That is, of course, good news. Like all human activities, our hobby needs new blood to stay alive and well. Whether you like it or not, the numbers game is a fact of life. The radio spectrum allotted to personal use will be used either by CB or amateur radio. Politicians respond to the loudest voices they hear...and if numbers alone count, you know who will win.

So helping new hams get going into our hobby is important to all of us. Yet, I wonder why most of these new hams will never get on the air. If you look at the successful students of recent past C & T courses, you find many licensed amateurs who do not operate. Some have stations which they do not use, some want stations but can't afford them, and some have no station...and don't want one!

Those of us who have been hams for many years take our hobby for granted. We turn on the rig, tune up call CQ, and enjoy ourselves. That's what the hobby is all about. We are communicators! Many hams left CB for ham radio so that they could have a more sophisticated form of communication. But then when they get the chance and get their license, they do nothing with it. I suppose that if your goal in life is to



collect Government paper, then having a ham license is a worthwhile goal. But Government paper is everywhere! And, none of it is worth very much...even that green paper they call money. Doing what the paper authorizes you to do is the reason to get the paper. Being a ham means being a communicator.

We certainly hope that those students who succeed and become Novices will become active amateur radio operators. Whether your enjoyment will come from DXing, ragchewing, building and experimenting, or operating the OSCAR satellites is unimportant. We all do our own thing...and none of us do it all! Try as many of the facets of our hobby that you can...then do what you enjoy. Give yourself a chance to find your niche in amateur radio. There's one waiting for you...if you try to find it.

Amateur radio is a participatory sport. Participate!

ANTENNA BANDWIDTH DATA

Ron Koczor, K9TUS

Buying your antenna can be one of the most important decisions you will make when setting up your ham station. Many beginners have only one question when they talk antennas: "What is its gain?"

Well, gain is only one factor to consider when selecting an antenna. In fact, it isn't the most important...not by a long shot! There are many factors which should influence your decision. Such considerations as band coverage, physical size, power handling capacity, bandwidth, mechanical integrity, front-to-back ratio, cost, and forward gain must be addressed before you open your wallet.

One thing that you'll find when comparing antennas of different make is that every manufacturer seems to present his antenna's data in a different way. This makes comparisons between manufacturers difficult. The data presented below is taken from advertisements in the radio journals and was compiled to present a unified source for this particular aspect of antennas.

If you're in the market for a triband beam yagi for 10-15-20 meters, you may find the following info useful. It gives the antenna bandwidth data for various antennas on the market. The data was compiled by a company in Mississippi called Communications Services. The table gives some physical data plus it gives the number of KHz in each band where the VSWR is above 2 to 1. The antennas were all adjusted to be resonant in the phone portion of each band (except the ATB-34 which is in the center setting). The "low" and "high" refer to the CW and PHONE ends of each band.

| MODEL    | ACTIVE ELEMENTS<br>PER BAND | BOOM | SQ. FT. | WT. | 10 MTRS. |      | 15 MTRS. |      | 20 MTRS. |      | KHz<br>TOTAL |
|----------|-----------------------------|------|---------|-----|----------|------|----------|------|----------|------|--------------|
|          |                             |      |         |     | LOW      | HIGH | LOW      | HIGH | LOW      | HIGH |              |
| TA-33    | 3-all                       | 14   | 5.7     | 37  | 0        | 200  | 0        | 0    | 0        | 0    | 200          |
| ATB-34   | 3-all                       | 18   | 5.4     | 42  | 0        | 930  | 0        | 0    | 0        | 0    | 930          |
| TH6DX    | 3-20 mtrs                   |      |         |     |          |      |          |      |          |      |              |
|          | 3-15 mtrs                   | 24   | 8.1     | 57  | 0        | 600  | 170      | 0    | 80       | 30   | 880          |
|          | 4-10 mtrs                   |      |         |     |          |      |          |      |          |      |              |
| CL-36    | 3-20 mtrs                   |      |         |     |          |      |          |      |          |      |              |
|          | 3-15 mtrs                   | 24   | 10.7    | 69  | 0        | 800  | 0        | 0    | 125      | 0    | 925          |
|          | 4-10 mtrs                   |      |         |     |          |      |          |      |          |      |              |
| CL-33    | 3-all                       | 18   | 6.0     | 42  | 300      | 600  | 0        | 0    | 150      | 0    | 1050         |
| SYSTEM 1 | 4-all                       | 26   | 8.5     | 55  | 400      | 525  | 170      | 0    | 40       | 25   | 1160         |
| SYSTEM 2 | 3-all                       | 18   | 6.2     | 47  | 400      | 500  | 180      | 0    | 100      | 0    | 1180         |
| SYSTEM 3 | 3-all                       | 14   | 5.7     | 36  | 0        | 800  | 0        | 0    | 0        | 0    | 800          |
| TH3MK3   | 3-all                       | 14   | 5.1     | 36  | 400      | 600  | 190      | 0    | 100      | 0    | 1290         |
| TA-36    | 3-20 mtrs                   |      |         |     |          |      |          |      |          |      |              |
|          | 3-15 mtrs                   | 24   | 10.7    | 69  | 700      | 750  | 175      | 0    | 100      | 0    | 1725         |
|          | 4-10 mtrs                   |      |         |     |          |      |          |      |          |      |              |

For example, the TA-33, when adjusted to be resonant in the phone part of 10 meters will have an SWR below 2 to 1 from the bottom end of the band (28.0 MHz.) to around 29.5 MHz. The top 200 KHz will be above 2 to 1. On 15 and 20 meters, that antenna setting will provide less than 2 to 1 across each band. If we take the number of KHz in each band having an SWR of 2 to 1 or more and add them, we get the data in the last column. The smaller the number, the better the antenna in terms of bandwidth. Obviously, the TA-33 is best by a wide margin...primarily because of its 10 meter performance.

Remember that this is just one consideration you have to evaluate. Note that if you don't plan to operate CW (perish the thought) bandwidth is not a meaningful consideration.

THE HAM OPERATOR

A.R.N.S.

*The following was written by the 14 year old daughter of Wilf, VK4ZNZ.*

My Dad operates a ham radio, he is a very interesting person.  
He has fun with it, talks to it, eats with it, and sleeps with it.  
I don't know what else, but I have my suspicions.  
Ham operators usually treat their rigs like a trainer breaking in a colt, or training hunting birds.  
He spends most of his time with it.  
Yes, we see him sometimes.  
Yes, we see him go past the table to the back door.  
I suppose it's all right, he is a Technician.  
But what Mum is upset about is that I'm interested in that stuff too.  
But my Dad is a good Dad, and I love him.

Chris.





Despite a rainy start, the local Cub Scouts' Akela Day went well. Over 300 Cubs and their advisors and friends spent the day walking rope ladders, sawing logs with cross-cut saws, running obstacle courses, and learning about amateur radio.

Thanks to a few volunteers, the Cubs got a taste of "the alternative." The HF station (a Kenwood TS-520S and dipole at 25 feet) made it into Germany, Sweden, Italy, and the Ukraine. It did have trouble rounding up Stateside contacts. It seems that Statesiders only answer CQs if they're 5-9+.

The Akela Day planners were impressed with the convenience and capabilities of two meter HTs. Coordinating the activities (spread over about two acres of hilly, wooded area) was much easier having a ham and HT at various locations around the site.

The Scouts came by our exhibit in pack-sized groups and got the story! Club handouts were distributed and many questions were answered. Most of the kids knew about CB radio...only a few knew about ham radio.

Thanks to the following Club members who were interested enough to become involved.

Mike Kindred, WD9HMY  
Bill Kindred, WA9RAP  
Joe Knight, WB9PXT

Ron Koczor, K9TUS  
Dave Lehr, WD9HIZ  
Joe O'Keefe, WB9UYX

# THE RUSSIAN WOODPECKER

## West Coast DX Bulletin

If you have not heard this one, you have not been on the air in the last year or two. Like a lot of other things, you try to live with it and wish it would go away...but it seldom does. Maybe if you know a bit more about it, you can tolerate the burden better. The following is information compiled by a W3...

The 'woodpecker' is a long range radar and the range can be estimated by noticing that the pulse repetition rate corresponds to about 25 wpm code dots. At this rate, the time from dot to dot is 96 milliseconds. This means that the radar's range is about 8950 miles. This on-the-air estimate was done without instruments and so could be off by a bit.

If you assume a 10 megawatt transmitter and an 18dbi antenna gain, the Effective Radiated Power is 88dbw. However, considering the 20 meter path loss at 1000 miles, this immense signal is reduced to a mere .0006 watt. This might make some think that a one watt jammer would have an advantage over the woodpecker of over 1000:1. But this is not true, because not all of the jamming signal will get through the woodpecker IF. CW dots will get through, and some have noted that when a string of dots are sent at



about 25 wpm, the woodpecker QSYs within a few minutes.

Some others who have studied the situation have noted that persistent CW sending on the woodpecker frequency has caused it to QRT, once for three weeks. But it returned with a new gimmick...a frequency hopping mode. If problems developed, the woodpecker would hop to another frequency in the band.

Supposedly the U.S. State Department has officially complained to the Soviet authorities. But in typical Russian fashion, they were ignored. Other countries report the same response to their complaints. Reports from Europe indicate that under some conditions, the entire 20 meter band will be wiped out by the woodpecker.

Of course, sitting on a frequency and sending a string of dots at 25 wpm may not be kosher! Unless you happen to be calling H5HHH in Bophutoswana!

WHY RG-59?

Dan Michnay, K9EA

I thought that the following info would be of historical interest to the Club members. Ever wonder why the coaxial cable you use was called RG-59/U, or the coax connector you use is called a BNC?

The "RG" designations came about through a Navy coding system designed to be compatible with a huge federal parts stocking and numbering system. The letters don't mean anything themselves. "RG/U" always stands for cable; and the corresponding "UG" for coax connectors. The number in the designation refers only to the order in which the cables were developed and then approved by the military. They have no relationship to cable physical or electrical characteristics.

Connector-type designations have a more interesting story behind them. The "UHF" connector referred to its "Ultrahigh Frequency" operation...and in the days of WW 2, 200 MHz was an Ultrahigh Frequency. But not for long. As engineers developed higher frequency operating systems, the need for coax connectors with better performance arose.

Today's popular "N" connector was developed and named after a Bell Labs man named Neill. The "HN" version soon followed as the high voltage version of the "N." The "C" type connector was named after its developer, Carl Conselman, for many years an engineer at Amphenol RF Division and its predecessor companies.

As smaller coaxial cables came into use, the "BNC" connector was developed jointly by Concelman and Neill. Thus the "N" and the "C." The "B" comes from an old type "B" connector. No one knows what the "B" meant. The next logical step was to name the threaded version of the "BNC" the "TNC."

And on, and on.

AMATEURS HELP PREVENT FATALITY

Worldradio News

Bart, WB6FBN, his brother Buzz, KH6BBE, and Ed, N6AGI, were in QSO on twenty meters one night recently when a weak KH6 broke in with emergency traffic. The breaker stated that he and his family received a telephone call from a distraught male relative in Greensboro, N.C., stating that he was about to commit suicide. Extremely heavy telephone traffic prevented the KH6 from getting through to the Greensboro police.

The 20 meter band was rapidly going out, but WB6FBN managed to copy a name and address in Greensboro. A check in the Callbook found the KH6 call assigned to a Novice female. At first Bart felt that the call might be a prank but decided to follow through. The police in Greensboro said that they would check it out and if there was anything to it, they would call Bart back. At 11:15 pm, the police called back and said that they had found the individual. But when he found out that they had no search warrant, he ordered the police away.

The next evening, Bart and Buzz were in QSO when the same KH6 broke in and told them that the police had later returned and found the individual after he had taken a bottle of sleeping pills. They rushed him to the hospital and saved his life. The KH6 expressed his thanks to both for their assistance in saving his relative's life. He identified himself, stating that his wife was now a General Class operator and he was a Technician. He did the operating because she had become too upset to talk on the radio.

Once again amateur radio has proven its value to the world.

C & T WRAPUP

Twenty eight students passed their Novice code tests, according to Bill, WA9RAP, and are now awaiting their Theory tests from FCC. That is the result of our Spring Code & Theory Course. Bill notes that this is somewhat better than average compared to recent courses. About 60 students started the Novice Course.

The results of the Technician, General, and Advanced Class courses will not be known until word starts trickling in from the new upgrades. However all of our instructors noted the high interest and retention of the students in all courses.

The Club owes its thanks to the ITT Technical Institute in Interstate Industrial Park for the use of their excellent facilities. It is becoming harder and harder to find adequate facilities to house this Club activity. The classroom nature of the ITT facility proved to be just right.

The Club also owes its thanks to the members who took time to prepare and instruct the students. We all know how hard it is to commit time to Club activities...especially one which requires twelve or so evenings. We are fortunate to have people who are interested in the hobby to that extent. The instructors for this session were,

|              |            |
|--------------|------------|
| Bill Kindred | Paul Welty |
| Jack DeTurk  | Ray Cronin |
| Bill Thomas  | Jim Pliet  |

Good luck to all of the students! Remember to tell us when you get your new call or license. We like to know that our efforts are worthwhile!



Many a weary Novice, listening to the staccato rhythm of the code or nodding over the text for Element 3, has longed for the return of the "good old days" of amateur radio.

Dream on OM. Even in the dawning era of the spark gap transmitter, honeycomb coils, and catswhiskers crystal detectors, the way to an Amateur First Class license was no easy path. Consider the requirements established by the United States Department of Commerce for an amateur station and operator's license... more than a half-century ago.

First the applicant was required to fill out Form 756, "Application for Operator's License," and Form 762, "Amateur Applicant's Description of Apparatus." Second, upon receipt of these forms, the United States Radio Inspector made a visit to conduct a thorough inspection of the homebrewed station.

Third, the applicant then appeared at an examination point to:

A. Demonstrate the ability to transmit and receive international Morse code at a speed of at least 10 words per minute. The received test was given, if possible, by means of automatic equipment.

B. Pass a written examination covering:

1. Experience.....20 point value
2. Diagram of transmitting and receiving apparatus.....10
3. Knowledge of transmitting apparatus.....20
4. Knowledge of receiving apparatus.....20
5. Knowledge and care of storage batteries.....10
6. Knowledge of international regulations and the  
United States radio laws and regulations.....10
7. Knowledge of motors and generators.....10

Any applicant who failed was required to wait at least three months from the date of the previous examination before renewing his application. Successful applicants were granted station and Amateur First Class Operator Licenses that permitted them to use a transmitter wavelength of up to 200 meters and a transformer input (from the AC lines) not to exceed one kilowatt.

So when you burn the midnight oil working for your General ticket, remember that many generations of earlier amateurs have followed a similar exacting path to success.

#### HOW EFFECTIVE IS YOUR CQ NOW?

Worldradio News, Morris Johnson, WA4AKU

All of us who enjoy the joys and privileges of amateur radio are eager to have a rare station return to our general CQ call. Many an interesting and lasting friendship has begun in this manner. By putting our best foot forward, we are able to make a new friend who quickly respects us for our courtesy and good operating habits...and then returns our considerate treatment in kind.

As I have tuned across the DX portion of 20 meters and the repeater portion of two meters, I hear many fine examples of excellent operation and courteous operators. Particularly of late, however, I have heard a few disturbing instances of our fellow amateurs acting with disrespect and lack of courtesy toward another amateur. While the number of such incidents is still quite small, it does seem that more and more amateurs are sometimes conducting themselves with a poor and ineffective CQ (which I shall refer to hereafter to indicate Courtesy Quotient).

On occasion, this poor on-the-air CQ (courtesy quotient) has been displayed to either a newcomer to the hobby or to a visitor to our city. As a result, I have been asked, "What is happening to the high degree of self-discipline, patience, thoughtfulness, courtesy and just plain good manners in our area?"

Don't we, as amateurs, pride ourselves in welcoming all newcomers and, traditionally, by our good operating habits, demonstrate that we can be self-policing and respectful of others' rights and needs? Don't we all admit that every person who has earned the privilege to operate has the same rights and privileges as all others?

Perhaps we need to pause and reflect to evaluate our own operating habits and take inventory of our CQ.

For those who are newcomers, and who simply do not know or recall, the worldwide Amateur Radio Fraternity has achieved an admirable, long, and most honorable record for courtesy, self-respect, and good operating habits.

Why should this degree of civility be any less today?

#### FROM HR REPORT

AN AMATEUR FIRST WAS believed to have been accomplished on April 7, and again on April 14, when computer data was transmitted over 2000 miles by amateur radio in an SSTV format on 10 and 15 meters. Over 50 pages of data were sent from the Denver, Colo. area to Marblehead, Mass. SSTV parameters allowed the data bits to be within the narrow bandwidth limits prescribed by FCC. Input was from a Digital Group computer to the mike jack of an SSB transmitter; output from the receiver speaker was fed directly into the computer. CRC checked for errors. The system has been checked for shorter distances on 40 meters and has withstood fading well.

A HIT-AND-RUN Killer was caught in Miami last month by two determined amateurs and a friend. WA4VIS and KA4GTX were nearly hit by a Thunderbird, which then hit and killed a pedestrian. They gave chase, at high speed, advising Miami police on a local two meter autopatch. During the pursuit, the repeater timed out, confusing police communications, but W4WJ, who was monitoring both the repeater and the police channels, called the police himself and reestablished communications.

The fleeing driver finally pulled up to his home where, directed by the following hams, the police arrested him. Due to the autopatch time out problems encountered in this incident, W4WJ suggests that timers be disabled during emergencies...at least on 911 systems.

OPERATING ABUSES by foreign-licensed U.S. citizens operating from shipboard...especially in the Caribbean...are causing concern in the Latin American amateur community. A net that has been meeting daily on 7268KHz from 1100 to 1300 Z, VP5SI (an American with a salvage-tug business) NCS, is causing much of the concern. Non-amateur yachters are counseled as to how and where to get a "quickie" amateur

license so they can join the group, whose operations seem to include a lot of business-type conversation and phone patching.

Though most of this activity is not only inappropriate to the amateur bands but a violation of international regulations, not much can be done about it unless the governments of the offending licensees want to do something about it. In the meantime, U.S. amateurs should be doubly cautious about the kind of traffic they accept from foreign amateurs...especially from foreign-licensed maritime mobiles.

A RESCUE AT SEA in which a 13 year old California amateur starred received extensive West Coast and some national news coverage last month. Mike Davis, WD6FFV, was up hamming at 1 am when he heard a ZL trying to copy a distress call from the 75 foot fishing vessel, Carmen, in trouble near Jamaica. It had a hole in its hull and was taking on water. Mike, who was hearing the Carmen better than the ZL was, joined the contact while phoning the Coast Guard at Long Beach.

Long Beach in turn contacted the Miami Coast Guard, but since neither had amateur band capability Mike remained the sole contact with the slowly sinking vessel. The three man crew provided Mike with the Carmen's approximate location, and the Coast Guard dispatched an aircraft with a pump, life raft, and marine frequency radio. A nearby cutter was also sent to the scene.

Due to innacuracies in the position information from the boat's crew, it took the Coast Guard airplane almost an hour to find the distressed vessel. Once it did, however, the airdropped equipment was safely recovered by the crew. At this point (about 2 am) the band dropped out and Mike lost contact with the Carmen. Later the cutter reached the ship and towed it to Montego Bay, Jamaica, and safety.

Ironically, Mike and his father (K6KAQ) and 15 year old brother Bob, WB6QNN, have been involved in a neighborhood fued over the family's "antenna farm." Needless to say, the family resolve to maintain their station was considerably bolstered by Mike's exploit!

THE U.S. WARC PROPOSAL has finally gone to Geneva, after a considerable delay caused by U.S. Short Wave Broadcasting's attempt to boost the broadcasting industries allocations of frequencies. What was actually proposed in the long delayed final portion of the U.S. WARC position seems to be a great mystery, with copies not available for review. Insiders who'd normally be expected to know its contents claim they are still in the dark.

As one high-placed observer commented, "Until I find out what they've done with it, I'm definitely going to be worried about what it contains!"

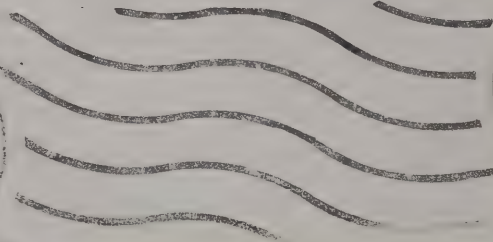
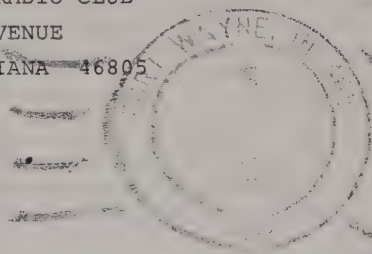
FCC'S NEW CALLSIGN STRUCTURE was reaffirmed by Commission action early this month. The Commissioners dismissed a number of petitions...including ARRL's...that had asked that the controversial callsign system be reconsidered.

CW ENTHUSIASTS SHOULD consider membership in the Morse Telegraphy Club, an organization dedicated to perpetuating "the traditions of the telegraph profession." Dues are only \$3 per year (including a quarterly newsletter) and membership is open to anyone with a knowledge of Morse or International code. Write Morse Telegraphy Club, Inc., 712 S. 49th St., Lincoln, Nebraska, 68510.

FROM: THE FORT WAYNE RADIO CLUB

2512 GLENWOOD AVENUE

FORT WAYNE, INDIANA 46805



TO:

BOLAN, VAN  
672 CHELSEA RD.  
FORT WAYNE, IN. 46825



# HAM SPLATTER



THE FORT WAYNE RADIO CLUB

SINCE 1920



EDITOR---Ron Koczor, K9TUS

The HAMSPLATTER is published monthly by The Fort Wayne Radio Club. All items to be published are required by the editor before the first Friday of the month.

PRESIDENT---William Kindred, WA9RAP(485-8044)  
VICE PRES.---Carole Burke, WB9RUS

SECRETARY---Al Burke, WB9SSE  
TREASURER---Dave Gingrich, K9DC

VOLUME 6 NUMBER 4

APRIL 1979

## MEETING NOTICE

This month's meeting is on Friday, the 20th at 7:30 pm at the Salem Church, 2401 Lake Blvd...usual place, usual time.

The program this month will be presented by Indiana State Police Trooper, Dwayne Larsh, who will discuss the I.N.C.E.R.T. program being developed around the state. The program is a multi-service emergency communications system being established at State Police posts and involves ham radio, CB, and local communications hook-up to the state posts.

Jack, KB9EM, will have the Banquet tickets for sale, so if you plan to attend, bring your money!

## SPRING BANQUET

Jack, KB9EM, has just about wrapped up the Banquet planning. Everything is, according to Jack, 'GO! The Banquet will be held at The Lamp Post, near the corner of Paulding Road and Anthony Blvd. The date is Saturday, May 19. There will be a cash bar at 6:30 pm, dinner at 7, entertainment at 8, awards and doorprizes at 8:30, and the guest speaker at 9pm.

The speaker will be The Rev. Phillip Philmore, Pastor of The First Baptist Church of Fort Wayne. Rev. Philmore is a much sought-after banquet speaker and has been on radio and television around the country.

Awards will be given to FWRC members who participated in the 1978 Sweepstakes Contest. And, of course, the new FWRC Club Logo will be unveiled. There will be enough doorprizes available to make a large portion of the attendees happy! The only prize we know of for sure is a 2000 watt dummy load, being donated by Fort Wayne Electronics.

Tickets will be on sale at this month's meeting. The price will be \$8.00 per person. The exact cost to the Club is not known as yet, since the restaurant will not quote a firm price until two weeks before the date. However, we do know that the cost to the Club will be more than \$8.50 per person. It is unfortunate that the cost of this excellent FWRC activity keeps going up each year; however, there's little that can be done about it at our level. Oh well, it's still a reasonable cost for a night out.

If you cannot attend this meeting, please call Jack at 749-4731 and let him know you are planning to attend the Banquet.

Set the date aside! Show your wife that your fellow hams are real people...not just voices out of the ether!

You'll both enjoy yourselves!

## AKELA DAY, 1979

The local Cub Scouts are having an outing on Saturday, April 21, at the Crosier House, on the north side of Fort Wayne. Their "AKELA DAY", as it is called, will be aimed at exposing the Scouts to many of the varied aspects of Scouting. About 400 Cub Scouts plus a number of Boy Scouts and adult leaders are expected to attend.

The FWRC has been invited to participate in the event. We are planning to set up an operating HF station. We will demonstrate 2 meter FM with our HTs. We will also set up a couple of our TRF Exhibit modules to help explain amateur radio to the Scouts.

The day begins around 8 am and runs to about 4 pm. Along with the exhibit, we have been asked to provide communications between several of the exhibits and the registration area, which we will do with HTs. They also would like one or two people to help direct parking for the first hour or so.

Joe, WB9PXT, will bring out the Club generator for power. We need three more people with HTs capable of operating 52 simplex, plus we need two people to help man the exhibit, answer questions, and demonstrate the HT and autopatch. We also need someone who is willing to bring out his HF rig to demonstrate that day...one with an external speaker.

If you are free that day (or even reasonable) call Ron, K9TUS, at 483-1365. That date is the day after our Club meeting. So there is little time. You may be helping some future amateurs get the bug!



I have been talking with Diana Hughs, G4EZI, on a 10 meter "schedule" lately. Diana tells me that her local club, The White Rose Radio Society, has an award it offers for working its members and others in Yorkshire.

To obtain this award, stations outside of Europe must accumulate 30 points. These points must be obtained as follows:

10 points for working the club station, G3XEP or G8LVQ.

5 points for working any member of The White Rose Radio Society.

3 points for working any other station in Yorkshire.

To obtain your award, send verifiable log data or GCR list (?), signed by an officer in a recognized amateur radio association, plus 10 IRCs or \$2, to Diana.

Remember that Great Britain call signs are not assigned by area as U.S. calls are. Thus any "G" station may be in Yorkshire! If you are interested, I will shortly receive a list of WRRS members from Diana. Let me know at the Club meeting, or before, and I'll try to make a copy for you. I'll also give you her address.

This award is supposed to be very pretty...a nice addition to any ham radio trophy collection!

#### CAREFUL WITH THAT FORM 610!

Worldradio News

The FCC received 14,417 applications (Form 610) for individual amateur radio licenses during one month last year. Of that number, 2,090 were returned to the applicants because they were incomplete, incorrect or improper. Many of them contained simple mistakes that could have easily been avoided if the applicant had read the instructions on the form. The most common of these mistakes are presented below with the hope that the prospective amateur applicant who reads this will avoid making them.

Each application for license renewal or modification must have a copy of the license attached to the FCC Form 610. This requirement is stated clearly in both the rules and on the top of the form itself. The instruction on the form adds, "If a license has been lost, mutilated or destroyed, the circumstances must be explained..."

Applicants who are upgrading their licenses should have copies of their licenses with them when they take the examination because the field offices will not forward an application which has neither license nor explanation attached.

**IMPROPER ADDRESS OR STATION LOCATION.** Items 4 and 5 on the Form 610 ask the applicant to specify both a permanent mailing address and a station location for fixed operation. The mailing address is what FCC uses to contact the licensee, and it is part of the license record.

The station location for fixed operation describes where the applicant will have his station. This may be identical to the postal address for some, but many people must make a distinction between their postal address and the geographical location of their station. Both must be in the United States or in a U.S. Territory or possession.

**IMPROPER REQUEST FOR SPECIAL CALLSIGN.** Since the FCC now assigns callsigns systematically, no special callsigns are issued, but an applicant must check item 13A on the Form 610 to request a callsign change. That request can only be made if the applicant is eligible for the change. Ineligible applicants who complete items 13A or 13B will get their applications returned.

**FAILURE TO COMPLETE ITEMS ON REVERSE OF FORM.** Items 17, 18, and 20 are questions requiring yes or no answers. They may not be left blank, as the answers determine how the application is handled. Unless FCC knows whether or not the applicant has a pending application or a previous examination failure, the application cannot be processed.

Of course there are other mistakes that cause returns or delays, but they seem to occur less often than those listed here. Most returned applications may be resubmitted after the applicant provides what was missing, but there is a way to get the license more quickly. With a good knowledge of the rules and a careful reading of the instructions, any applicant for an amateur radio license can submit an error-free application.

#### A FABLE (WITH APOLOGIES TO MY FRIEND, AESOP)

Ron Koczor K9TUS

There once were two college fraternities on a campus in East Northhampton-on-the-Maumee. The campus was well-to-do, and the groups prospered. There was the usual interplay between the two groups...an occasional prank, some "my dog's bigger than your dog," etc. But on the whole, the two fraternities got along very well. In fact, they got along so well that many members belonged to both groups. That way, they could enjoy both the Friday night beer blast AND the Tuesday night pizza party!

For many years, each fraternity did its thing and everyone was happy (well almost every one). Then one day, the High Flyers were asked to join with a campus sorority in a "strictly platonic relationship to broaden the development of the student body." Well, as soon as word got out, rumors started flying. The leader of the High Flyers said, "This is an important step. We must study it." The membership agreed. No hasty decisions...even though many potential benefits could be dreamt of.

The leaders of the other fraternity, The Very Hep Fellows, who had made such a conjugal relationship with another campus sorority some years ago, held a meeting to discuss the possibility of the High Flyers action. Many of these leaders were beer soppers with the High Flyers, but some weren't. Some of these leaders wanted to take a position and tell the High Flyers what the Very Hep Fellows thought about the plan. After all," said one, "There's no telling what will happen. Besides, haven't we made our girls available to them when needed?"

Well, cool heads prevailed and nothing was done officially, except to send a letter to The High Flyers stating that The Very Hep Fellows could not take any position on the matter. It was not their place.

That, of course, made the High Flyers very happy...for they treasured the fine relationship and intercourse that went on between the two groups. Yet, a strange thing happened at the next High Flyers beer bash. When the discussion turned to the possible link-up, most members were silent...except for a



few members...most of whom were also members of The Very Hep Fellows. These few, perhaps half a dozen out of the hundred or so sopping the suds, seemed very much against the coupling. "We don't need a sorority"... "Women only bring you trouble"... "Next thing you know, we'll not be allowed to swear in the showers."

Some of the High Flyers who were not members of The Very Hep Fellows sat there wondering why these few people were so upset. Why did most of the negativism come from these joint members? Did they not know the the leadership of the Very Hep Fellows officially denied any involvement? Of course, everyone agreed, all must be allowed to express their opinions; however, it appeared strange that the loudest objections were coming from these members who already had their relations with the other sorority.

Well, things went down hill between the two groups after that. Those members who did not like the Very Hep Fellows anyway kept saying, "See, I told you so. They cannot be trusted. They are only after our beer."

And the other members, who did not feel for or against the Very Hep Fellows, began thinking that the others were right. Perhaps there was something to what was being said about the Very Hep Fellows. Perhaps there must be rivalry between the two groups...not cooperation and friendship.

That saddened many people. Even though they really wanted to be friends with their brothers, they perceived their brothers as trying to interfere. They forgot the fact that their brothers from the Very Hep Fellows had a right and obligation to speak as individual members of High Flyers. They forgot that the Very Hep Fellows' council officially adopted a neutral stance in the matter.

They only remembered that the loudest objections came from their brothers from the Very Hep Fellows. And this they perceived with sorrow.

MORAL: There is a fact of life which many speakers forget and most listeners remember. When we speak, we speak for more than ourselves. Our actions as individuals reflect upon the groups to which we belong.

#### E.O.C. ENTRY RESTRICTED

Joe Knight, WB9PXT

In cooperation with the Allen County Sheriff, everyone entering the Allen County Emergency Operations Center in the City-County Building must have a badge for identification or enter with someone who has an identification badge. This program was initiated last month and is in effect now.

All area hams are still welcome to visit the E.O.C. and to operate the equipment. The Kenwood TS-520 low band station and the Kenwood 7625 two meter rigs are now operational. All that is required for you to operate in the E.O.C. is that you become familiar with the equipment before you turn it on.

I will be contacting those area hams who have already expressed an interest in getting an ID badge. A session for taking the pictures will be set up shortly. If you are new to the area or to the hobby and would like info about the E.O.C., please call me at 627-2422.

#### FWRC LOGO...LAST CALL

This is the last call for your LOGO ideas. They must be turned in to Ron Koczor, K9TUS, by May 1... not too long from now. They will be judged at the May Executive Committee meeting and the winner will be announced at the May Banquet. If our artist can work fast enough, we will have it on display at the Banquet.

We have over a dozen entries now. With a group our size, we should have ten times that number! Remember, you need not submit a finished article...all done up fancy. We are after ideas. Handmade pencil drawings are fine.

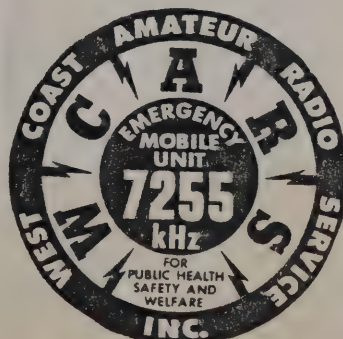
How about sitting down and coming up with an idea. Do something useful for the Club this year! You can dream up an infinite number of possibilities for our Club's identifying sign. All we are asking for is one.

The prizes include two free tickets to the Banquet. That should be some incentive, as this year's Banquet looks to be an excellent affair.

Do it now...before the deadline!



AMATEUR RADIO  
MISSIONARY SERVICE



#### CHECK THAT NEW CAR OUT!

Amateur Radio News Service

Before hooking up your rig, you had better check that new car out. An interesting bit of information was turned up by Bert, VE2BMQ. It appears that some of the newer cars have cigarette lighters with reversed polarity. Previously the lighter casing was grounded by attaching the case to the dash. Then only the "hot" connection from the battery was needed. But now, some of the new cars have plastic dash panels and as a result two wires must now be connected to the lighter...and some cars have them put in with the polarities reversed! It doesn't matter much when lighting a cigarette, but it could matter with your rig!

It's worth checking out first.



(continued from page 53)

(soft lead pencils were best) between two screws; you changed the value with an eraser. A few used India ink and were stuck with permanent value!

Past the mid-20s, radio drifted from its earlier easy-going style. "Amateur" ranks were split into two divisions: transmitting amateurs and receiving amateurs, the ranks of the latter being diluted by a large and continuing influx of persons having little if any interest in the technical aspect of radio. They were truly broadcast listeners. Nevertheless, a considerable number of listeners continued to build receivers for another 10 or 15 years.

But the true amateur of radio communication continued to build both receivers and transmitters. No longer did he have to build his own components, though, for a wide variety was offered by many manufacturers. Too, a wonderful source of good parts was available from old broadcast receivers.

Such receivers, built from, say, 1923 through 1928, had a wealth of really useful parts in them. They were totally unlike the "cheap and dirty" receivers built from the 30s on.

fine art and were therefore worthy of being emulated.

This is a good point at which to end an article on early radio. There is much that can be said about the 30s and the 40s (that part not blanked by war), but those periods were not to far removed, either in time or in likeness, from the present day.

My purpose in writing this is to pass on to the present generation some idea of the problems and the pleasures encountered by members of a generation now most commonly noted only in the listings of "Silent Keys."

The way to the General "ticket" was never a primrose path

Many a weary Novice, listening to the staccato rhythm of the code or nodding over the text for Element 3, has longed for a return to the "good old days" of Amateur Radio.

Dream on, OM/YL. Even in the dawn era of spark gap transmitters, honeycomb coils and cat whisker crystal detectors, the way to an Amateur First Grade license was no primrose path. Consider the requirements established by the United States Department of Commerce for an amateur station and operator's license

more than half a century ago. First, the applicant was required to complete Form 756, "Application for Operator's License," and Form 762, "Amateur Applicant's Description of Apparatus."

Second, upon receipt of these forms, the United States Radio Inspector made a visit to conduct a thorough inspection of the "home brewed" station.

Third, the applicant then appeared at an examination point to:

A. Demonstrate the ability to transmit and receive international Morse code at a speed of at least 10 words per minute. The receiving test was given if possible by means of automatic equipment.

B. Pass a written examination covering:

| Item                                                                                                                      | Maximum Point Value |
|---------------------------------------------------------------------------------------------------------------------------|---------------------|
| 1) Experience                                                                                                             | 20                  |
| 2) Diagram of receiving and transmitting apparatus.                                                                       | 10                  |
| 3) Knowledge of transmitting apparatus                                                                                    | 20                  |
| 4) Knowledge of receiving apparatus                                                                                       | 20                  |
| 5) Knowledge and care of storage batteries                                                                                | 10                  |
| 6) Knowledge of motors and generators                                                                                     | 10                  |
| 7) Knowledge of international regulations governing radio communications and the United States radio laws and regulations | 10                  |

total 100

at a special meeting on March, somewhat different from the Management Council and we are

plement the merger of the the first being a period in FWRA Repeater Systems. The ly cooperate in the Systems' imate merger. Both groups will

interests. The merger will e accomplished by the

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sponsibility for the FWRA Presidents and Treasurers of

the FWRC Constitution and Council will be responsible nant FCC Rules and Regulations However, the Council will imposed by the number of l have authority to make All major policy decisions oval. dget will be presented to al. ancies on the Council, with

reappointment. The terms and approved by the Executive



## Committee.

- 7). The officers for the first year will be R. Cronin, A. Wozniak, D. Hayhurst, and J. Ketrang.
- 8). The trustee of the Systems will be an active member of the Council.
- 9). A FWRC checking account will be established for Management Council funds. Two Council officers will have check signing authority. The Council budget will be set each year based upon the number of FWRC members electing to pay for repeater privileges. All dues will be paid to the FWRC Treasurer. He will then determine the amount to be transferred to the Council account and make such transfer in a timely manner. Once established, this budget will not be committable to non-repeater expenditures. The Treasurer of the Management Council will report the status of the Council funds to the Executive Committee each month. He will report to the membership at least twice each year at a regular meeting.
- 10). The life members of FWRA as of March 1979 will become life members of FWRC. These members are Roger Parkerson, K9OET, and William Trulock, K9RKA.
- 11). The dues of FWRC, with full repeater privileges will be \$ . The dues for FWRC without repeater privileges will be \$ . Associate, Student, and Family memberships will also be available.  
The Council budget for each year will equal the number of members paying for repeater use times \$ . In addition, any carryover from previous years will remain in the Council budget.
- 12). The President of the Council will appoint a member of the Council to be a non-voting member of the Executive Committee. This member will be expected to attend the regularly scheduled meetings of the Committee. Similarly the President of FWRC will appoint a member of the Executive Committee as a non-voting member of the Council. This member will be expected to attend all regularly scheduled meetings of the Management Council.
- 13). The Council will be expected to establish a regular schedule of Council business meetings. These meetings will be open to interested FWRC members on a space available basis.
- 14). The Council will have the authority to establish any committee it feels necessary to guarantee the efficient management and operation of the Systems.
- 15). The FWRC carries liability insurance to protect itself from suit. Any insurance coverage required for operation of the Systems will be obtained as part of the overall FWRC coverage. The Council will determine the required coverage and will direct the FWRC Treasurer to obtain it. The cost of coverage for the Systems will be borne by the Council.

## TO FWRA MEMBERS

Ray Cronin, K9KI, who is the President of FWRA as asked FWRC to stop sending the HAMSPLATTER to the FWRA members who are not also members of FWRC. He has asked that we do this until the merger plans are settled...one way or the other.

We are sorry to hear this; however, we will comply. This issue is being sent to FWRA members at FWRC expense. If you are not already a member of FWRC, it will be the last issue you receive.

We hope that your exposure to us these past two months has been favorable. We are a growing, active, and diverse club. Our activities and opinions verify this. If you enjoyed these two issues of HAMSPLATTER, we invite you to join us. Our dues are \$5 for 1979 and you may send them to our Secretary, Al Burke, WB9SSE, at 3229 Waukashan Place, Fort Wayne, 46815.

We'd be pleased to have you with us!

## LET'S REVIEW REPEATER PRIORITIES

Worldradio News, Chuck Ross

*Fort Wayne is fortunate to have two fine repeater groups providing coverage in our area on two meters FM. Most area operators tend to be courteous and helpful.*

*But there are "klunkers" everywhere. Read on...and keep this article in mind the next time you are called upon for assistance.*

An interesting thing happened to me on the way to work about two weeks ago. It happened on that day that Chicago's two "sister" repeaters, CFMC (.76) and SARA (.88) were down due to a failure in the shared combiner. I was listening on another wide area machine, of which I am not a member, and there was a QSO in progress between a mobile and a base station. I came upon a vehicle stalled just north of the S-turn on the bridge of the Outer Drive, just north of The Loop. The driver was a woman who was unintentionally causing a back-up of traffic...a danger spot. She obviously needed assistance.

So I broke into the conversation saying, "WB9EJV with priority traffic." The mobile station acknowledged the call...sort of...and proceeded to carry on his conversation with the base station. A couple of minutes later, he turned it over to the base station. The base didn't get my call but said, "Let's see what the breaker wants."

I asked for a base station or someone near a phone to please call the situation (which I described) to the attention of the Chicago Police Department. There was quite a long pause, then the mobile asked the base station if he could handle that.

The base replied, "Well, yeah, but the phone is about 40 feet away and my shoes are off, and I'd just get everything discombobulated here, and besides, I checked the roster and he's not on it."!!!

At this point, I'm certain a whole lot of people started mumbling in disbelief, with some actually screaming. I was incredulous and said, "What the hell does that have to do with anything?"

The mobile station read the riot act to the base, saying that in an emergency it didn't matter whether or not someone was on the roster. Then another member of the repeater, a control operator, took the traffic from me and called it in. (The traffic had already been called in by another party right after I announced it.)

The mobile station angrily signed out, and the base station remained silent. Actually, as I later found out, he was being chastised over the phone.

I'm not blaming the repeater club who runs that machine. It is one of the finest machines in the area and certainly handles its share of emergencies. I fear, however, that this sort of ignorance as to the real purpose of amateur radio is wide spread...more than we may realize!

I sincerely hope that any amateur will, upon hearing a request for assistance...any sort of request...will do what he or she is supposed to do...ASSIST! Ragchewing has last priority on any system.



vacuum. This caused a peculiar "knee" in its EgIp curve. If, by fine variation of the filament voltage and of the plate voltage, you could achieve operation just on the edge of this curve, superb sensitivity resulted. If the tube was in a regenerative circuit, its weak-signal sensitivity would rival that of expensive receivers manufactured in 1979!

Such circuits lacked selectivity and were very adversely affected by overloading from strong undesired signals. If you read the magazines of that day, you find bitter remarks from amateurs about blocking interference from Naval stations operating on 500 kHz. These wiped out reception on 1500 kHz. The ones most soundly cursed were, on the East Coast, NAH ("Noisy as Hell"), and, on the West Coast, NPL ("Noisiest Plant Loose").

Interference in those days was something modern radio amateurs find hard to imagine. Not only were receivers non-selective to a degree that bogs the imagination, but spark (and to a lesser degree, arc) transmitters sprayed out signals that covered whole spectrums.

In theory, a spark creates signals ranging from DC to infinity. In actuality, though, some small degree of attenuation of undesired frequencies was introduced by the associated antenna and the minimal tuning effect of the "oscillation transformer" coupling the transmitter and antenna. Nevertheless, one transmitter could blanket a swath hundreds

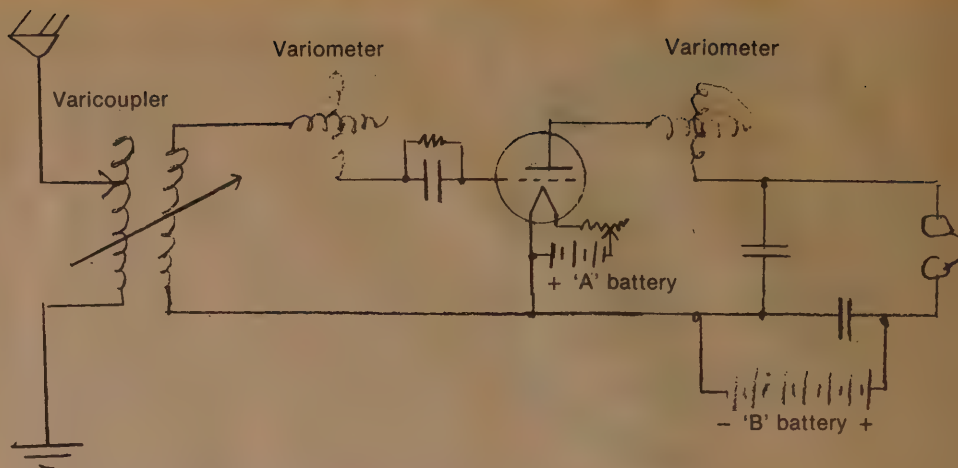


Figure 5 — Three-circuit regenerative receiver.

of kiloHertz wide. On the amateur "200-meter" band, it was strictly "dog eat dog." The loudest signal was the only one that got through.

The "big boys" among the amateurs operated spark transmitters using true transformers powered from 115V 60Hz mains to create the spark. The better ones used rotary spark gaps. These introduced a musical note quite pleasant to copy. Also, they allegedly "sharpened the signal," that is, reduced the width of the blanketing swath.

Less affluent amateurs (I was one) used "spark coils." These used vibrators to interrupt the 6V direct current supplied to the primary of a transformer, having

many thousands of turns in its secondary. The high voltage thereby produced would jump a spark gap.

The heftiness of the coil was gauged by the width of the gap it would jump. There were ¼-inch, ½-inch, 1-inch, 2-inch and even 3-inch spark coils available... if you had the funds to purchase one.

Most beginners, I among them, used the ¼-inch coil, one that was designed to provide the ignition pulse to a Model T Ford car. With it, one could send out a signal over a mile or two. Such transmitters were called "squeak boxes" and were derided by those who used transformer rigs.

Looking back over magazines and books published in the period 1921 through 1925, one gets the very distinct impression that few, if any, of the authors of "how to build" articles had even the haziest concept of electronic theory! The impression is the builder tossed components into a circuit until he got one that would work to his satisfaction, then he wrote a glowing article on how that circuit excelled all others!

If you analyze such a circuit, you come to the conclusion it would function better if half of its components were deleted! Even the more respected engineers were guilty; look at the circuits of the first Armstrong Superregenerative receivers and you'll see what I mean!

That lack of true technical knowledge didn't keep us from building. We tried circuits by the dozen, literally! Little by little we learned what would work and what would not work. Best of all, we had fun building. That "we," of course, refers to radio amateurs.

Almost all amateurs built their receivers and their transmitters. Oh, there were some sold by various firms. Even Sears offered a number of complete transmitter-receiver stations, beautifully mounted on a varnished wood base, complete with a "send-receive" switch for transferring the antenna (and ground, too, but why the ground, I don't know).

SIMULTANEOUS 6 METER OPENINGS TO ZL and LU were experienced by Chilean stations were also worked from 6-land. A ZL to 5th district amateurs with their first ZLs. Excellent signals were the rule during 1½ hours.

North Dakota worked Argentina on March 19th. 6 meter buffs shout on 28885 KHz as some good openings are being lost because operators of them.

"THE FRENCH ATLANTIC AFFAIR" is to be adopted by ABC-TV for a season, amateur radio plays in TV's follow-up of K6DXK's novel hasn't yet

#### YOU CAN EARN DXCC!

Yes, FWRC, there is a Santa! My 100 countries were gift wrapped week the ARRL confirmed the size of my gift-DXCC.

Now that I have it, We even had to build many components. Such items as fixed capacitors for receivers were built from material salvaged from a Ford spark coil.

| year |          |                                                                                                                                                                                                                             |
|------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1976 | Heath SB | Transmitting fixed capacitors (for spark rigs) were made from inter-leaved metal and glass plates; the glass plates we mooched from photographers for that style of negative was used widely by professional photographers. |
| '76  |          |                                                                                                                                                                                                                             |
| '77  |          |                                                                                                                                                                                                                             |
| '77  | Kenwood  |                                                                                                                                                                                                                             |
| '77  |          |                                                                                                                                                                                                                             |
| '77  |          |                                                                                                                                                                                                                             |
| '78  |          |                                                                                                                                                                                                                             |
| '79  | Drake TR | We wound coils of several types. One, highly touted, was the "spiderweb."                                                                                                                                                   |

The most important good DX is in the Adv antenna improvement was About equal to the ant

Some even made variable capacitors, mostly of the "book" type.

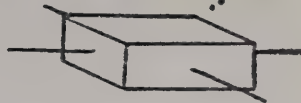
Grid resistors for vacuum-tube detectors were made by running a pencil mark (please turn to page 56)

# HAM SPLATTER



THE FORT WAYNE RADIO CLUB

SINCE 1920



EDITOR---Ron Koczor, K9TUS

The HAMSPLATTER is published monthly by The Fort Wayne Radio Club. All items to be published are required by the editor before the first Friday of the month.

PRESIDENT---William Kindred, WA9RAP  
VICE PRES.---Carole Burke, WB9RUS

SECRETARY---Al Burke, WB9SSE  
TREASURER---Dave Gingrich, K9DC

VOLUME 6 NUMBER 3

MARCH 1979

## MEETING NOTICE

This month's meeting is on Friday, March 16th, at 7:30 pm. The location is the basement meeting room at the Salem Church of Christ, on Lave Avenue just east of the V.A. hospital.

The program this month will be oriented around Field Day. Lynn, W9FC, will discuss plans for 1979 and some of his helpers will say a bit about the why and what of Field Day. The FWRC slide presentation on Field Day will also be shown.

We will also be discussing the impending merger of FWRC with the Fort Wayne Repeater Association. It is a big step for the club and we hope that the FWRA members (who are receiving this newsletter) will attend and make their inputs known.

Of course coffee and cookies, compliments of Kryder Electronics, follow the meeting.

## SPRING CODE & THEORY CLASSES SET

The spring FWRC code & theory classes have been set to begin on Tuesday, March 20, at 7 pm. They will run for six weeks on Tuesday and Thursday evenings from 7:30 to 9:30pm. Registration is at 7pm on the 20th.

The classes will be held at the ITT Technical Institute on Profit Drive in Interstate Industrial Park. This is on the northwest side of Fort Wayne. Refer to the map on the last page of this issue for directions. Lima Road is Indiana Route 3.

Students and instructors must park in the lighted student parking area across the street from the Institute and they must use the student entrance into the building. Signs will be placed to direct you to the registration area. There is to be no smoking in the building except in the student lounge.

Courses will be offered in code, theory, and rules and regulations for the Novice, Technician, and General Class licenses. Theory, rules and regulations will be offered for Advanced/Extra Class students.

The fee for the courses is \$10 for adults and \$5 for non-working students. Everyone completing the course will become a member of FWRC for 1979 (if not already a member).

The instructors for this session are,

Novice/Technician code: Bill Kindred, WA9RAP

Novice theory: Jack DeTurk, KB9EM

General/Technician theory:

General code: Bill Thomas, WB9UJP

Advanced/Extra theory: Ray Cronin, K9KI

For more information, call Bill Kindred, WA9RAP, at 485-8044. Spread the word! You can help the club and help the hobby. Introduce someone to the world of amateur radio.

## FWRC + FWRA

Those members who were at last month's meeting heard a major club decision announced. The FWRC and the Fort Wayne Repeater Association have agreed to merge. FWRC will pick up the .16/.76 and .31/.91 repeaters as club activities.

The details of the merger and the method of implementation are discussed elsewhere in this newsletter and should be read by all. Both groups have decided to make haste slowly. A period of "engagement" will ensue before any "marriage" takes place. Those who want to discuss the merger should attend this month's meeting where it will be discussed to the extent desired by those present.

Note that during the engagement period, FWRC members do not get automatic use of the repeaters. You must still pay your \$12 to FWRA.

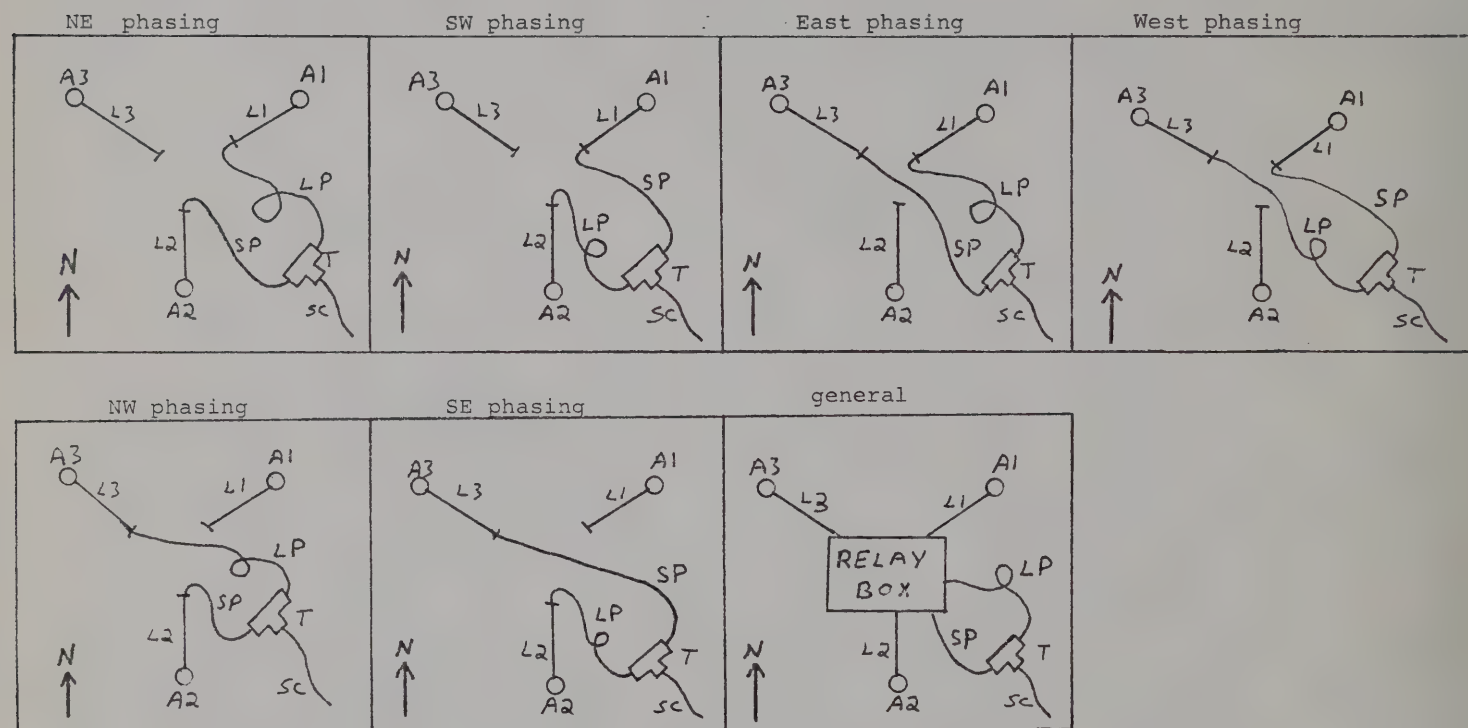
Read the info in this edition of HAMSPLATTER. Be informed. This is a major step forward for our club, and we should all take it with our eyes open. It is your responsibility to know what's going on.



Ever since I started in amateur radio, I knew that my station's antenna was of prime importance. After trying an inverted-V for 80 meters, I knew that something better was needed, especially for DX contacts.

Research and discussions with other hams led me to try phased verticals. My first attempt was a disaster! The wooden A-frame supports (per ARRL Handbook) fell down with the first 60 mph winds. My supports now are steel towers with steel masts and fiberglass fishing poles extending the height to 65 feet. A quarter wavelength of wire is supported 3 feet away from these supports, using 2" by 2" standoffs. The wire angles to the fishpole to which it is taped for the rest of the run. These towers are rope guyed and tilt at the base for raising.

The antenna configuration consists of three quarter-wavelength verticals<sup>1</sup> positioned on a quarter-wavelength equilateral triangle. The antennas are A1, A2, and A3 in the figures below. This configuration gives me 6 switchable directions. In order to change the direction of the array main lobe, coax phasing lines are used. The phasing coax consists of an equal length of 50 ohm coax from each antenna to the relay box. These are L1, L2, and L3 in the drawings. 50 ohm coax (any length) is run from the shack to a coax "tee." A quarter wavelength<sup>2</sup> of 75 ohm coax is connected from one side of the "T" to the relay box. A quarter wavelength<sup>2</sup> of 75 ohm coax plus a quarter wavelength<sup>2</sup> of 50 ohm coax is connected from the other



L1, L2, L3 are equal lengths of 50 ohm coax from antenna to relay box.

SC is the coax from the shack.

T is the coax Tee.

SP is the  $\frac{1}{4}$  wavelength of 75 ohm coax.

LP is the  $\frac{1}{4}$  wavelength of 75 ohm coax connected to the tee plus  $\frac{1}{4}$  wavelength of 50 ohm coax.

A1 is the Northeast antenna, A2 is South antenna, A3 is Northwest antenna.

All antennas are  $\frac{1}{4}$  wave verticals.

The relay box contains 3 dpdt relays.

side of the T to the relay box.

Two antenna elements are fed at the same time. For example, with the  $\frac{1}{4}$  wave phasing line connected to the Northeast antenna and the  $\frac{1}{4}$  wave phasing line connected to the South antenna, I have the main lobe in the Northeast direction. Reversal of the connections causes the main lobe to go toward the Southwest. The phase switching is accomplished with three dpdt relays in the relay box. Be sure to use at least 10 amp contacts and a low voltage coil. I have only 3 ground radials per antenna now, but plan to have 20 to 30.

Direction changing is as fast as turning a switch. This system has 4.5 db of gain over a single vertical, and 20 to 30 db front to back and front to side ratios...something very nice on this band. The half power beamwidth is about 60 degrees. The SWR is less than 1.8 to 1 across the entire band. Another advantage of such a system is that most stateside stations are using horizontally polarized antennas and their signals are down considerably on my system.

I have not included a drawing of the relay switching so that this article could be kept reasonably

short. If you're interested, give me a call and I'll give you the picture. It's not too difficult.

Using this system, I've worked DX galore, including HB, HI, JA, OK, PJ, EU2, VE, VK, VP9, XE, YN, YU, 9Y, and HR. When listening with this system, I continually hear stateside stations calling 'CQ DX' but not hearing the DX come back to them. Most times, I can! It is a super feeling to have the DX tell you that your signal is the strongest he has heard on the band in a long time!

Not everyone needs an antenna like this...but it sure works great! It is a relatively simple way to get gain, directivity, and front to back ratio on 80 meters...somethings that are definitely needed for chasing DX on that band. A version of this system can be built for 40 meters just as well and would cost only a fraction of the cost of erecting a tower and rotatable beam.

80 meter DXing is a challenge passed up by too many amateurs. It's not easy...but then, maybe that's why it feels so good to make that DX QSO.

My thanks to LaMar, W9LT for his much needed help on the phasing plan.

NOTE 1:  $\frac{234}{\text{freq.}}$  (MHz)

NOTE 2: These lengths are computed with the formula  $\frac{246xV}{\text{freq.}}$  (MHz), where V is the coax velocity factor of the coax in use. This is usually .66 for solid dielectric coax and .80 for foam. Consult the specification for your brand.

#### A NEW CLUB ACTIVITY??

Bob McGregor, WB9UAO

I've got an idea (me and a million other guys...but, I'm going to tell you mine). Those of you that read this will see it from many different angles...and that's the point. My idea is to set up a tour group to see things from your point of view. You are all in this thing called amateur radio for different reasons. Some of you, I suspect, are quite proud of your shacks and accomplishments. I also suspect that some of you think that your particular interest is the best aspect of this diverse hobby of ours. I'm suggesting an idea to let you state your case and bring others to your way of thinking.

The idea is this. Any member of the club would schedule a time to invite others over to see his shack, operating technique, equipment, and wife (assuming she's willing!). Those members interested or even just curious sign up for the tour. Then, just ten or so signees could be invited over for the tour. For instance, suppose you are big on SSTV. Now I don't know much about SSTV, but I am curious. You could set aside some time (say an hour or two) when you have a sked or when you know that there is a good chance for a contact and host a tour. The time you select would be published in HAMSPLATTER, and interested people could sign up on a roster at the club meeting. That way you would know how many people will show up.

In time, many club members, new and old, could find out (1) more about ham radio, (2) more about the members of the club, (3) more about your wife. This would help the novices among us (both in grade and experience, for we are all novices in some things) learn more about our hobby...without the expense.

There is nothing like a live demo to get people involved. I remember LaMar showing me his shack, towers, and antenna switching scheme. I was impressed. I bought my first rig from him, and copied some of his ideas. LaMar did it right! I had never really seen ham radio before. LaMar tuned up, called CQ, and landed a QSO. Then he gave me the mike! That was my first QSO...and talk about excitement! I was hooked. But that was only SSB. Could the same happen with SSTV, RTTY, computers, OSCAR, traffic nets, DX, EME, UHF? Well, maybe.

Such exposure might help club members become more involved with other activities such as Field Day and the Three Rivers Festival Exhibit. And it might spark some interest in UHF or home construction projects. It could even help develop some closer ties between members and wives (since you could invite your wife along on the tour). What do you think?

Like I said...it's just an idea.

#### WHAT...ANOTHER LIST?

Ron Koczor, K9TUS

You don't have to tune very far across our DX bands before you encounter the "list operation." And, you don't have to tune much farther to find DXers discussing their opinions about lists.

It seems as if list operations are becoming more and more common as the number of hams increases. It is a relatively new method of operating and is not greeted with joy by all operators. Old timers say that they never needed a list when they were young. The new generation of, "If I need it, I'll buy it" operators say that they don't need lists. Their 6 elements at 120 feet and their "kilowatt" linears allow them to work the DX immediately in any pileup anyway. The only operators who seem to benefit from list operations are the hams with modest stations...and the DX!

Since this newsletter is written for more than the few savvy DXers amongst us, let me briefly explain what a list operation is. In theory, a control station (or stations) will sort out the pileup calling a weak DX station. The pileup calls the control station, who generates a list of those he hears in the pile. The control station then tells the stations on his list to call the DX...one at a time. In theory, this allows the DX station to work everyone in turn without the tortuous pileup...in theory.

It is obvious why a rare DX station would like to operate from a list. Consider yourself in his shoes. You call CQ and 2 or 3 thousand callers come back to you. In the U.S., your signal is S5 and quite readable. Yet to the stateside stations, the pileup on you is S9 or more. Once the pile starts calling, it never stops until you are heard answering someone. More often than not, some stations never hear you come back, and call, and call!

If you were a relatively inexperienced DX operator, you'd get frustrated fast. Right? So that's where the list comes in. The list is a means for sorting the pile for you. It's also obvious that the list method is an easy way out for even the experienced operator. Very few people like sifting thru a pileup. The list method can bring order out of chaos.

If the list method works smoothly, the QSO rate can be very high compared to the "pile on and take your chances" approach. Perhaps it's not as "macho" working from a list; however, it helps the DX station and can help the stateside stations as well.

Yet, there are enough operators around who deplore list operations that they may have a point.



Usually their objections are more against the way a particular list operation is run than against lists in general. This is where almost everyone agrees: If the list operation isn't implemented fairly and correctly, it's worse than having no list at all. There are a few complaints which seem to be quite common. Lists tend to be very time consuming, especially if lists are taken by call districts. It's frustrating to hear the zeros working the station, knowing that the list must work itself around the country before the nines get another chance. Many times an operator will get on the list even when he cannot hear the DX. This means more delays when his turn comes, and the old "I think I heard a 5 by 4. Is that correct? No? Was it 2 by 1?" routine begins.

Usually a list operated by one control station is short-lived. He cannot get stations on the list from all call areas. When that happens, "The 4s can't hear him. We can't hear him in 5-land. What's his QSL info? Who's the DX?"...or that all-too-common "Is this frequency in use?"

Others complain that lists are a ready-made vehicle for getting your friends thru the pile. Or perhaps the XYZ DX Club donates \$200 to the Wambizi Generator Fund. The next time Wambizi is on the air he calls only for members of the XYZ DX Club. Is that a sin? If you were in the XYZ DX Club, would you think it's wrong? Remember, with today's morality, a sin between two consenting adults, isn't.

So after bitterly discussing the pros and cons of lists, most DXers get to the crux of the matter. What's to be done about the "situation?" Should list operations be outlawed? Perhaps ARRL should not allow DXCC credit for stations worked in lists.

As I see it the answer to that question is quite simple. If lists were banned, many DX stations would stay off the air rather than fight the pileups. Some DXers say that there are alternatives. The DX station could operate split frequency, transmitting outside of the "American Phone Band" and listening up in it. The DX could also sort the pile into smaller chunks until he can sort it out,

But not all stations are equipped for split frequency operation. Should they be kept off the air? Why should he generate a band of QRM in the American band?...other operators have rights too. And how small must the pile get before he can recognize a call? Talk about time consuming!

No. I feel that lists are here to stay...and rightly so. There are too many of "us," and too few of "them." A list can bring order out of chaos. But it has to be run right...and it has to have cooperation from the stationers. A list operated by two or more control stations, giving complete national coverage, can really run thru the stations...particularly if one of the control stations is collecting the list on one frequency while the other is running his list with the DX.

When you want to work thru a list operation, keep your ears open and your mouth shut...until it's your turn. Don't ask who the list is for. If you can't hear, you will not work him. Don't bust in and ask for QSL info. A good control station will give it periodically or at the end of the operation. Don't get on the list if you can't hear the DX well enough to make the contact. Listen carefully, and don't waste time when it's your turn. You'll ruin the whole operation. Listen...listen...listen!

I know listening ain't "macho." And I know that working from lists ain't "macho." But if that's the way the DX wants it, that's his right...just as it's your right to stay off the list if you don't like it.

It's amazing how many organized operations (lists, nets, etc.) can be ruined by a few hot-heads with big mouths and small ears! Don't contribute or join in with their mindless urge for anarchy. If someone is deliberately interfering with an operation, don't give him the satisfaction of knowing he's disrupting things. Ignore him. Remember, ham radio is a hobby...H-O-B-B-Y. A hundred years from now, it will not matter if you worked the VRL!

So enjoy your hobby while you're around...even if it means working from a list.

## ARRL DUES INCREASE AGAIN

K9TUS

The recent announcement by ARRL of a 50% dues increase is raising a lot of eyebrows in the ham radio community. \$18 per year seems rather steep to many long-time and loyal ARRL supporters. Amongst the local hams, the response varies from surprised acceptance to indignation.

As a life-member, I suppose that I shouldn't worry. After all, I'm set for "life!" But I know that that really means the ARRL's life...not necessarily mine. I know that the only way that I'll benefit from my investment is if ARRL remains financially sound.

Most people that I've talked to agree that everything is more expensive these days. Labor, postage, raw materials, energy, etc. all cost more these days. Yet many people have difficulty rationalizing such a large increase...particularly since ARRL has been increasing its dues just about every other year for many years now. They should not have fallen behind so far as to require a 50% jump to get even.

ARRL involvement in the amateur satellite program is given as one reason for the hike. No doubt...space programs are expensive. Even amateur ones. Did ARRL know what it was getting into when it hooked up with AMSAT? Aren't other countries' national amateur groups helping with the satellite program?

WARC-79 is given as another justification for the increase. True, ARRL has done Yeoman service for the hams of America. Its international program of education and exhibition has already changed votes in our favor. The ARRL lobby and education effort in this country was eminently successful. The U.S. WARC position is definitely pro-amateur.

But the expenses of WARC-79 end after the conference...don't they? Will the annual dues go down after WARC expenses end?

The financial crunch faced by ARRL has been coming for some time, according to some insiders. The ARRL, with its ambitious program of service to its members, may have bitten off more than it can chew. I guess it's about time for the ARRL members to be heard. We must weigh the advantages of supporting ARRL against the cost. In our considerations, we must consider the prospects for amateur radio if ARRL ceased to exist. If one or two of us quit in protest, ARRL would survive. But if 20 or 30% of its members quit, ARRL would be in worse shape than it is now.

When one looks at the \$18 annual dues, a comparison can be made to other similar costs. For about \$18, you can get a year of PLAYBOY magazine. For \$9.50, you can subscribe to National Geographic. Now there's an interesting organization. The National Geographic Society puts out a first class magazine each month (with far less advertising than QST), carries on a world-wide program of exploration, and has an excellent educational program...all for \$9.50 per member. How do they do it? Do they charge less because of outside contributions?...because they are more diversified in membership?

I find it worrisome that ARRL may be in the process of pricing itself out of existence. After all,



ham radio is just a hobby. Just because a person will plunk down \$2000 for a rig does not mean that he will pay \$18 per year for a magazine that is half advertising.

I feel that we need the ARRL. I agree that ARRL may have money problems, but I wonder if such a drastic increase is justified. In the coming months, we'll be hearing more on the subject. In the meantime, why not make your feelings known to ARRL? A rational discussion of your feelings may do some good. If you approve, then tell them. If you don't, then tell them that.

Light a candle...don't sit and curse the darkness.

#### HAPPENINGS AROUND THE AREA

The 1979 Simulated Emergency Test went well, according to Joe Knight, WB9PXT. Joe is the Allen County Emergency Coordinator and held the S.E.T. in January. Joe said that the turnout was very good. Cooperation of all area hams was first class, despite the remarks of some individuals who lost sight of the purpose of the exercise.

Emergency preparedness doesn't just happen. It takes work, planning, and exercises like S.E.T. Joe expressed his thanks to all members who participated.

Clarence Moore, W9LZX, passed away suddenly on January 24 at his home in Syracuse, Indiana. Clarence was known around the world as the inventor of the quad antenna. He was a minister in the United Missionary Church and developed the quad while serving as engineer at the missionary short wave radio station HCJB in Quito, Ecuador. He had been recently honored with a lifetime HC1JB license by the Ecuadorian government. He was reported to be working on a new antenna design when he passed away at the age of 75.

Clarence had many friends in Fort Wayne. To them we extend our condolences.

Congratulations to the following area hams who have upgraded or received their Novice ticket.

|            |                     |            |               |
|------------|---------------------|------------|---------------|
| KA9CAS (E) | Robert Morrison     | WD9IOD (T) | Bob Miller    |
| KA9CMC (G) | Charles Cary        | WD9DSN (T) | Dan Bollinger |
| WD9HDH (G) | Dimitrios Sgourakis | WD9EMJ (T) | Ollie Hamdin  |
| KA9CMB (T) | Clinton Cary        | WD9HLR (T) | David Fulk    |

Some of the above people have expressed the need for two-meter equipment. If you have anything to sell, put it in the HAMSPLATTER.

Congratulations to Paul Taylor, WB9VCI, who won the foreign callbooks and supplements at last month's meeting and to John Goller, K9UWA, who won the stateside books.

Joe, WB9PXT says that the Allen County Sheriff has just purchased a communications van. The van needs work and Joe is looking for volunteers to help get the van in shape. Joe needs someone with some carpentry experience and people who will help install the radio gear in the van. If you're interested in helping out, call Joe at 627-2422.

#### FOR SALE:

2 KLM 11 element two meter beams with stacking hardware, ready to install, with all cables, \$70.

YAESU Mainliner phonepatch, never used, \$52.

DIGITRAN KL0054 16 button touch tone pad, \$38. For above, call Joe Knight, WB9PXT, at 627-2422.

HY-GAIN TH-3 Mark 3 tri-band beam, full kw capability, \$125.

HALLICRAFTERS 6 meter transverter, with power supply, make offer. For above, call Al Biddle, K9FW, at 484-3719.

ROHN 25G tower, 50 ft. CUSHCRAFT ATB-34 Triband beam. Ham-M rotor. Mast, guy wires, hardware, etc., \$350. Call Dave Gingrich, K9DC, at 424-5652.

YAESU Landliner phone patch, like new, \$52.

MICRONTA 13.8V @ 3A DC power supply, with circuit breaker protection, like new, \$40. For above, call Jack DeTurk, KB9EM, at 749-4731.

G.E. Master base station, 80 watts continuous duty on two meters, with MFA-22 RP synthesizer, \$650 for both or \$450 for the base without the synthesizer. Call Dave Hayhurst, WA9SUS, at 484-2414.

HEATH HW-100, transceiver, 80-10 meters, with power supply, speaker, and mike, works good, \$250. Call Gil Walker, WB9BCK, at 483-5102

#### FROM HR REPORT

POSSIBLE POINT OF SALE control of amateur transmitters has been nixed again by FCC legal staff. It does appear, however, that retailers and manufacturers can legally impose such restrictions.

ADDING A "PORTABLE" DESIGNATOR to a callsign has reportedly brought warnings to some amateurs from FCC Field Engineers. If so, it's a misunderstanding of the rules. The rule change only eliminated the NECESSITY for indicating portable or mobile operation. It did not prohibit the PRACTICE, which is required in some contest rules. Any amateur cited or warned for signing portable should pursue the matter with the nearest FCC Field Office or, if necessary, with Washington.

AMATEUR LICENSE TURNAROUND time is reported to be the best it's been in a long time, and better than most other services. Any amateur waiting more than a month or so should get back in touch with Gettysburg with full details, as there's probably a problem.

AN "AMATEUR RADIO ONLY" CHAIN LETTER seems to be continuing its spread. Most copies seem to be going to DXers, coming from overseas amateurs.

As money is requested, this letter is STRICTLY ILLEGAL under U.S. law. U.S. amateurs are advised to ignore it.

8 BAND WAS has been achieved by K5CM, with, oddly enough, the last holes being filled on 10 and 40 meters. After finishing up a two meter WAS last summer, and already having the six meter award in hand, Connie realized that he was in striking distance of becoming the first amateur to earn WAS on eight bands. He began working on it in earnest in October, and within three months had all 50 cards for 160 meters in hand. A 40 meter card from Maine was the clincher. Truly an outstanding achievement!



# ----- REPEATER NEWS -----

FORT WAYNE REPEATER ASSOC. MEMBERS...PLEASE NOTE!!!

Ray Cronin, K9KI

This issue of the Fort Wayne Radio Club HAMSPLATTER is being sent to all 1978 and 1979 members of the Fort Wayne Repeater Association (FWRA). This is to notify all FWRA members of the pending merger of FWRA and FWRC. The details of the merger agreement are published below. The merger was announced at the February meeting of FWRC. The topic will be open for discussion at the regular March meeting of the Club. The time and location are given on the first page of this newsletter.

The reason for the agreement to a merger by the FWRA Management Council was to expand the base of the Council so that the repeaters will become self-sustaining. Over the past few years, few people have stepped forward to help with the day to day running of the repeaters. The membership of the Management Council has dwindled from the allowable nine to the present four. This is not enough to properly manage the activity. The systems will become technically obsolete in a few years if this were to continue. With a membership of over 150, we could muster only 13 people at the last FWRA meeting. Less than half the members attended the last hamfest of the FWRA. The only time that the members contact the Council is when there is a problem with the repeater. Fortunately, that has been a rare occurrence due to the high technical standards maintained by the Council. The Radio Club is interested in becoming involved in the operation and management of the system. They have people interested in the technical aspects as well as the management. Their track record has been very admirable in accomplishing such objectives. They are very interested in the continuation of our fine repeater systems in Fort Wayne.

The merger is designed with a trial period consisting of the first year with succeeding years bringing the merger to a permanent conclusion. During the first year, the present Management Council will maintain a majority vote. The first year will be spent integrating the Club appointees and acquainting them with the particulars of the systems. The second year will see the Club appointees become majority members. The agreement is such that the Club will appoint three members every year for three year terms. The Club will thus replace one-third of the Management Council each year while allowing the remaining two-thirds to continue to carry on the long term activities. This will allow the repeater activities to be somewhat insulated from the day-to-day activities of the Club. It will also allow the Club Executive Committee to be free of the day-to-day activities of managing the repeaters.

The merger agreement is also designed to assure that there be no problems regarding the dedication of monies to the repeater activities. The membership dues of the repeater activities will remain used to that end. The repeater activities will not be financed out of general Club revenues. The assets of the repeaters will always be used for repeater functions, or, upon liquidation, be given to charity.

Membership in the Club will not be mandatory to those who only wish to participate in the repeater activity. Support of the repeater will be expected by all who use it regularly, regardless of affiliation. In the future, arrangements will be made so that joint membership will be more attractive than joining separately. This will not occur until some time after 1979.

The repeaters will officially belong to the Club and will be used for official Club functions. The uses will be determined by the Club but will not interfere to any great extent with the normal use of the systems by repeater members. These activities will greatly enhance the Club communications network and be of great value to all Fort Wayne amateurs.

There will be an open forum for the membership to give inputs to the new organization: the regular monthly meetings of FWRC. One of the topics at each meeting will be the conduct of the repeater. Officers of the Council will give reports and participate in discussions with the members. There will be many opportunities to pay membership dues, to receive technical advice, and to obtain information about the use of the repeaters.

Each month's HAMSPLATTER will have topics of interest about the repeaters as well as general discussions about repeater activities. All members in good standing of both organizations will receive copies of the HAMSPLATTER.

The members of the Management Council are looking forward to this merger. We welcome the infusion of new blood along with their enthusiasm and fresh viewpoints. The merger will rejuvenate the repeater and produce many new and exciting innovations in the VHF and UHF activity in Fort Wayne.

HOW ABOUT JOINING US AT THE MARCH MEETING TO HELP US LAUNCH A NEW ERA IN FORT WAYNE!!!

## POINTS OF CONSIDERATION FOR MERGER BETWEEN FWRA AND FWRC

**PURPOSE:** The Management Council of the Fort Wayne Repeater Association and the Executive Committee of the Fort Wayne Radio Club have decided to pursue a merger which will be mutually beneficial to both organizations as well as a powerful alliance to further the local development of amateur communications.

**CONSIDERATIONS:** The FWRA can offer the FWRC a fine repeater system with three fine repeaters, two sites, and an autopatch system. The systems will be available to the Club to further its pursuit of the hobby.

The FWRA is willing to become the subordinate organization and to allow the FWRC to appoint its members to the Management Council. In consideration, the FWRA expects the support and assistance of the Club.

**LONG TERM DIRECTION:** The Council deems it wise to approach this merger with caution to insure that the result will be beneficial to all. We feel that the alliance should be designed so that it is initially reversible. Should all proceed satisfactorily, it will become a permanent arrangement in a few years. The Council cannot relinquish controlling interest until it is assured that the policies and objectives that have been worked out in the past will continue without substantial modification.

**GENERAL POLICIES OF THE FWRA:** The FWRA has worked to make a repeater system available to Fort Wayne which is truly available to any licensed amateur and is conducted in accordance with the guidelines



published by the ARRL. Courtesy, Consideration, and Cooperation are the rules, with The Golden Rule as the ingrained principle.

The repeater is designed to enhance the coverage of mobiles and hand-helds and to provide a system for calling/answering and short QSOs.

TERMS AND CONDITIONS:

- 1). The Fort Wayne Radio Club will appoint members to the Management Council and all such appointments must be approved by the Management Council.
- 2). The term of the Council members shall be for 3 years with no limit on reappointment. Terms shall be staggered.
- 3). For the first year, the Club shall be limited to three appointments, and as required thereafter.
- 4). The officers of the Council shall be elected by the Council.
- 5). The officers for the first year shall be Ray Cronin, Jim Ketring, Dave Hayhurst, and Adolph Wozniak.
- 6). The trustee of the system must be a member of the Council.
- 7). The Council will make all legal and policy decisions.
- 8). The terms on the Council for Messrs. Cronin, Ketring, Hayhurst, and Wozniak shall be indefinite. Their tenure will be at their discretion.
- 9). The treasuries of the two organizations shall not be comingled. The monetary resources of the repeater shall be used only for repeater oriented purposes, unless otherwise directed by the Council. No more than 10% of the income can be used in any year for non-repeater purposes.
- 10). The current life members of FWRA will continue their privileges.
- 11). The dues for members of the repeater shall remain \$12 for 1979. No member of either organization will be compelled to pay dues or become a member of the other. The dues for repeater membership and use shall be set by the Council.
- 12). If the assets of the repeater activity are liquidated, all such monies shall be donated to the Indiana-Purdue Regional Campus in Fort Wayne for use in scholarships for engineering students.
- 13). The President of FWRC will be an ex-officio member of the Management Council. The President of the Management Council will be an ex-officio member of the FWRC Executive Committee.

REPEATER ASSOCIATION MEMBERS...WELCOME!!

Ron Koczor, K9TUS

Let me say welcome to the Fort Wayne Repeater Association members who are receiving the HAMSPLATTER for the first time. We are glad to have you join the 300-plus Fort Wayne Radio Club members who receive this newsletter each month. A large percentage of you are already FWRC members, so what I am about to say may be old news to you.

You will be receiving the HAMSPLATTER each month as long as you are a member in good standing with either FWRC or FWRA. Everyone on the 1978 and 1979 FWRA membership rosters is receiving this issue. Next month, only 1979 FWRA members will be on the mailing list. This is part of the agreement worked out to lead to the merger of the two organizations.

As editor of HAMSPLATTER, I try to keep the newsletter interesting, educational, diverse, and slightly humorous. I depend heavily on inputs from the Club members. The Club also subscribes to Worldradio News, HR Report, and exchanges newsletters with other clubs. All of these inputs help make HAMSPLATTER an up-to-date source of info on what's happening in ham radio...locally and around the world. ARRL, FCC, WARC-79, and anything else that's news is reported in HAMSPLATTER.

HAMSPLATTER is the voice of The Fort Wayne Radio Club. All Club activities are covered in this newsletter. No member is in the dark...if he reads every issue. We hope you will read HAMSPLATTER to keep up with local happenings.

You are receiving HAMSPLATTER to interest you in FWRC AND to give you a feeling of belonging to the repeater community. The Repeater Association officers have promised to use HAMSPLATTER as their voice to you. You will no longer be kept in the dark as to what's happening in your organization. It will all appear here. I am expanding the HAMSPLATTER to four sheets this month. Hopefully, this extra sheet will be oriented to the repeaters and their users. When we have no inputs along those lines, we'll be back to three sheets!

I welcome inputs from FWRA members as well as FWRC members. Anything which you think will be of interest to our readers is fair game for HAMSPLATTER. One of the factors making HAMSPLATTER the award-winning newsletter that it is has been member inputs. If that continues, HAMSPLATTER continues.

If you would like to contribute something, be it article, local news, or for sale equipment, send it to Ron Koczor, K9TUS, 2512 Glenwood Avenue, Fort Wayne, Indiana, 46805. I MUST have it before the first Friday of the month in order for it to appear in that month's issue. Our schedule is tight, and if I get it later, it will be in the following month's issue.

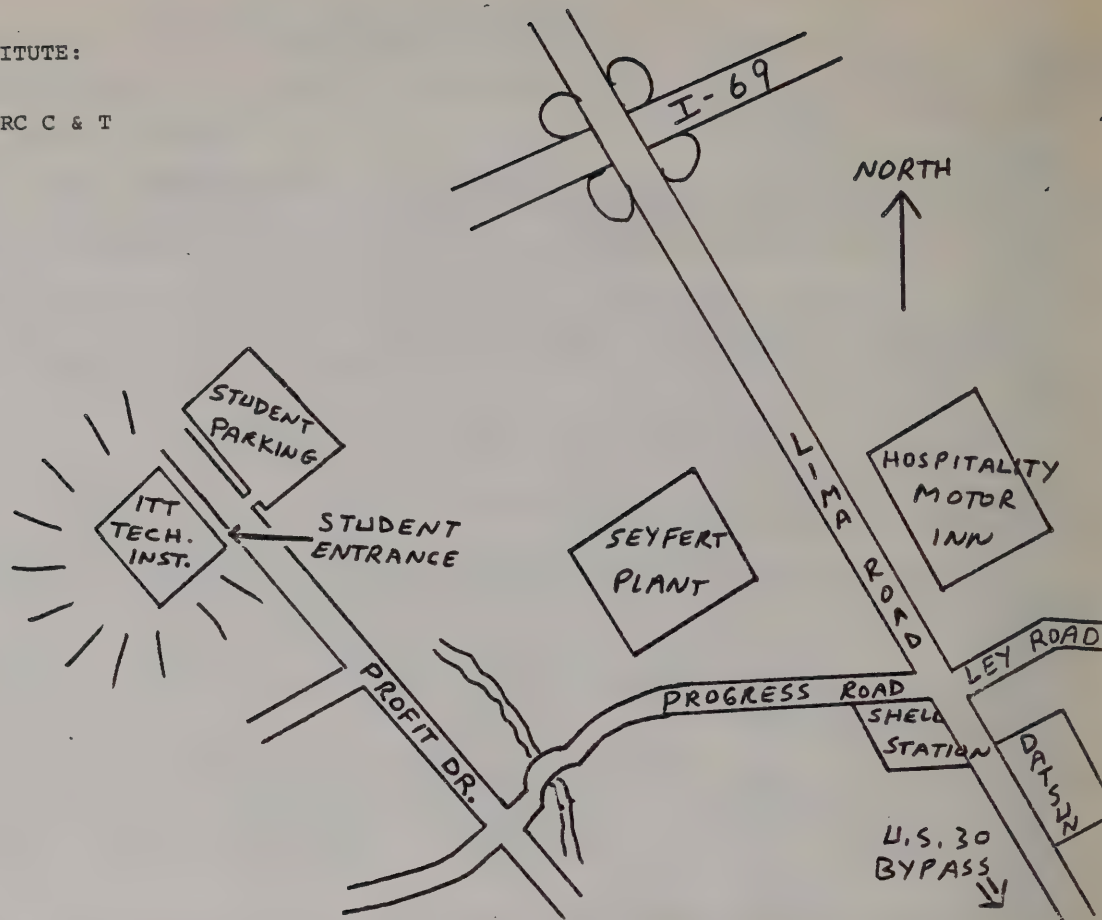
So let me again say welcome to the FWRA members. We are glad to have you aboard! I hope that you find HAMSPLATTER interesting and useful. I hope that, as you read future issues, you see the Fort Wayne Radio Club as the vibrant and active group that it is!

146.16/76 ----THE PLACE TO BE FOR FWRC



# MAP TO ITT TECHNICAL INSTITUTE:

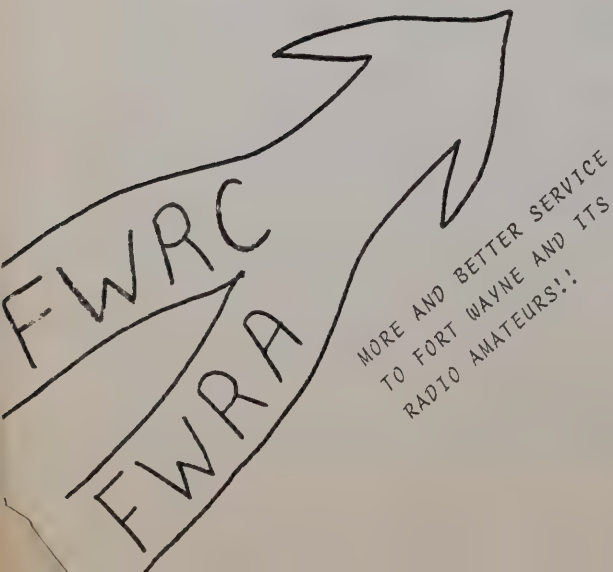
Location of the Spring FWRC C & T  
Classes



FROM: THE FORT WAYNE RADIO CLUB  
2512 GLENWOOD AVENUE  
FORT WAYNE, INDIANA 46805

TO:

BOWMAN, VAN  
6822 COLDWATER RD.  
FT WAYNE, IN. 46825



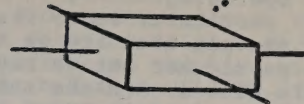


# HAM SPLATTER



THE FORT WAYNE RADIO CLUB

SINCE 1920



EDITOR---Ron Koczor, K9TUS

The HAMSPLATTER is published monthly by The Fort Wayne Radio Club. All items to be published are required by the editor before the first Friday of the month.

PRESIDENT---William Kindred, WA9RAP  
VICE PRES.---Carole Burke, WB9RUS

SECRETARY---Al Burke, WB9SSE  
TREASURER---Dave Gingrich, K9DC

VOLUME 6 NUMBER 2

FEBRUARY 1979

## MEETING NOTICE

This month's meeting is on Friday, the 16th, at 7:30 pm, at the Salem Church (Lake Avenue, just east of the VA Hospital). 1979 dues will be collected by Al, WB9SSE.

The program will be a slide presentation given by Steve Sanderson, W7FXH, who is presently living in Fort Wayne. Steve spent a year in Sierra Leone, West Africa, as 9L1SL/D and will talk about his experiences in Africa.

Steve is with the Luthern Bible Translators and spent time in both the cities and countryside of Sierra Leone. He has a slide collection which covers the area in all seasons, the radio club station, and his own station there. He will discuss some of the many uses that missionaries have for radio communications.

Steve has experienced what few of us ever will. Plan to attend and share some of his encounters with him.

Al Burke has received the 1979 Callbooks, so we will raffle off the club's 1978 callbooks and supplements.

Another good reason to join us this month!

## DUES

This will be the last call for 1979 dues. All dues were to be paid in January. This issue of the newsletter will be your last unless you're all paid up. If you completed last Fall's code and theory classes, you're covered for 1979. If you are unsure, call Al Burke. He has the list of students who completed the course.

Each year we lose a percentage of our membership and I'm sure that this year will be no different. Since this will be my last chance, let me say that FWRC appreciated your support last year. Too bad we can't hold your interest another year; however, you can't please everyone all the time. Good luck and we hope you enjoy your hobby.

To those who have already joined up for another trip around the sun, welcome aboard. You've taken the first step toward helping FWRC have another good year. But (and this is a BIG BUT) it's only the first step. Your support should consist of more than plunking down your \$5 and then sitting back, expecting to be spoon-fed interest, activity, and pleasure. Think about it...why not back up your \$5 investment with a little time and elbow grease? You don't know what you can do to help? Bill Kindred knows. Let him know you'd like a job...he'll take it from there.

Once again...welcome back!

## CODE AND THEORY CLASSES SET

Bill, WA9RAP, has just about finalized the details for the FWRC Spring C&T Classes. They will begin Tuesday, March 20th, at 7:30 pm and run for six weeks on Tuesday and Thursday evenings for two hours. There will be code and theory classes for Novice, Technician, and General, and theory for Advanced/Extra.

Jack DeTurk, KB9EM, has arranged to have someone from Kryder Electronics be present the first night to sell texts to those who don't have them.

We will announce the location at the meeting this month as final confirmation has not been obtained as of this time. The fee will be \$10 for adults and \$5 for non-working students.

Spread the word. Do someone a favor...introduce him to the worldwide family of amateur radio operators.



Now that we are in a period of high solar activity, those of us who operate our radios will be more often subjected to the seemingly vague and capricious disruptions caused by solar flares. Most of us remember from our studies to upgrade that solar flares can wipe out the HF bands for hours or days at a time. During those times, the HF operator (be he traffic man or DXer) can plan his fishing trips...he will not be doing much operating.

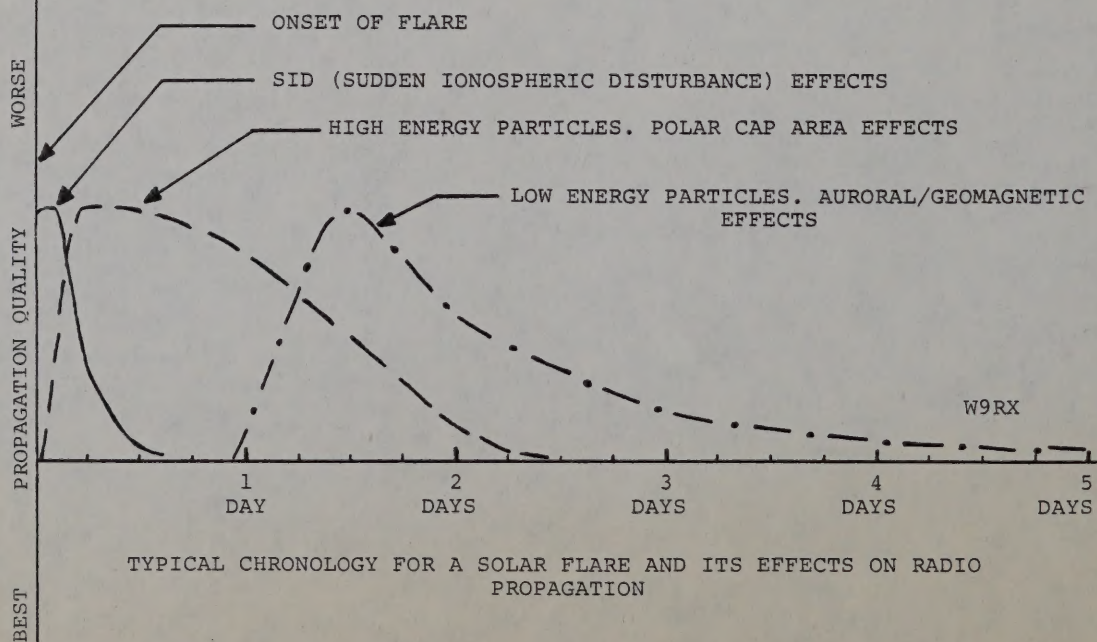
The occurrence of a particular solar flare is unpredictable. We can deal in generalities and say that during periods of high sunspot activity we can expect more solar flares than during quiet solar periods. We can even say that a particular active region on the sun which previously produced a flare or two will most likely produce more flares when the sun's rotation brings that area back into view from the earth. But we cannot predict the time of the next solar flare...or its intensity.

The exact mechanism which causes solar flares is only now becoming understood. Thanks to the many NASA solar observatory satellites in operation now we are beginning to gather information about energies that cannot be observed from the earth's surface. One day, we may be able to predict the onset of the next solar flare. Right now we must content ourselves with understanding the effects of the flare on our ionosphere.

These effects have been studied for decades and the mechanisms whereby solar flares cause changes in radio propagation are well understood. You can save yourself hours of fruitless searching at the rig for DX simply by understanding what's going on 50 miles over your head. The information you need to know is readily available on a real-time basis from WWV. At 18 minutes past each hour, WWV transmits propagation information which can be used to understand the present state of propagation. With practice, and some notekeeping, you will be able to predict the near-term changes you can expect.

A solar flare is an explosive ejection of energy and particles from the sun. Some of the particles are pulled back to the sun by its gravity in a very short time; however, some of the matter, in the form of electrons, protons, subatomic particles, ionized helium atoms, and other exotic forms, is ejected with such force that it escapes from the sun and travels outward into space. In addition to these particles, energy in the form of gamma rays, X-rays, light, heat, and ultraviolet is emitted and escapes into space. All of the energy travels at the speed of light and that which is intercepted by the earth reaches the earth about 8 minutes after being ejected from the sun. The particles travel slower and at various speeds. The high energy particles (which are mostly high energy protons) can reach the earth anywhere from 15 minutes to several hours after leaving the sun. The low energy particles (electrons, low energy protons, etc.) travel much slower and can take from one to two days to reach earth.

All of these groups of energy and particles affect the earth's ionosphere, and hence, our propagation differently...and at different times, obviously. The figure below shows the chronology of a typical solar flare and its effects on the ionosphere. This figure comes from Oak Okleshen, W9RX, propagation editor for HR REPORT (via W9LT). At the left end is time zero, the occurrence of the flare on the sun. The energy components reach the vicinity of earth in about 8 minutes and cause what is called a Sudden Ionospheric Disturbance (SID). This energy travels in a straight line and is not affected by the earth's magnetic field. Hence, its effect occurs only on the side of the earth facing the sun at that moment. The SID causes an increase in 'D' layer absorption causing radio blackouts lasting several minutes to several





hours. The detrimental propagation effects of this energy are usually severe but short-lived. Under some conditions this energy will enhance E and F layer ionization with resulting temporary propagation improvements on the higher HF bands. These effects are non-magnetic in nature and so occur at all latitudes equally. As you can see in the figure, these effects usually begin to wear off before the "second wave" reaches the earth.

The second wave consists of the high energy particles. These particles approach the earth and get routed to the polar cap areas by the magnetic field. D layer absorption around the poles increases sharply, wiping out any polar path propagation, day or night. These particles do not normally affect non-polar propagation and they do not cause auroral activity or geomagnetic storms. Their effect is strictly localized to the polar cap areas. But remember, if your signal must pass thru this region, you suffer the effects. From Indiana, contacts with Africa, South America and the like will not be affected while contacts to Russia, Japan, Central Asia, and perhaps northern Europe will be. The duration of this second wave can be anywhere from one to ten days with three days being typical.

The third wave to reach the earth from the solar flare consists of the lower energy particles. These particles take one to two days to reach us and their effects can last up to five days or so. These particles are responsible for the ionospheric and geomagnetic storms which affect all propagation paths. The damage is felt worst at the poles and as the intensity grows, the effect spreads toward the equator. These particles are responsible for the visible aurora. D layer absorption can be very severe and, in extreme cases, can cover the earth. The F layer Maximum Useable Frequency (MUF) will be depressed with resulting additional poor propagation. Auroral radio blackouts in the HF bands can last for five or six hours and return to normal very slowly. During this time, the VHF/UHF operators are usually experiencing very good auroral propagation.

In general flare effects on the ionosphere follow the above scenario. But each flare is unique. Depending on the contents of the energy and particle waves ejected from the flare, one or more of the above effects may not happen. For example, some flares are particularly deficient in high energy particles (second wave). Hence, after the initial wave of energy reaches earth and the SID dies down, very good F layer propagation can occur due to the ionization caused by the first wave energy. The 20 to 30 hour period between the SID on the sun-facing side of the earth and the onset of auroral activity can be very good for DXing. Except for the initial SID, transequatorial propagation may not be affected and may be improved.

Remember, the curves in the figure are only averages. The effects of a small flare may dissipate within a couple of days. A large flare can affect propagation for a week or more.

Looking at the figure, one sees that all flare effects tend to turn on very quickly and dissipate slowly.

The individuality of each flare makes predicting its effect uncertain. However, by keeping track of the WWV propagation information, and by plotting this info on a day to day basis, you will soon see the overall picture of solar activity. And while you will not be able to predict when the next flare will occur, you will understand what is happening and what will happen in the near future. Recording and analyzing solar effects on radio propagation is an excellent science fair projects for our young members.

If you enjoy our hobby and want to obtain maximum benefit and pleasure from it, you should understand flares and their effects. Propagation isn't all black magic and hiding a lack of knowledge behind a mask of seeming indifference doesn't help. Familiarization with radio propagation effects will reduce the frustration of impossible schedules and allow you to use your limited operating time with optimal results.

#### YOUR EDITOR NEEDS HELP

Over the Christmas holidays I was looking over the past year's HAMSPLATTERS (does anyone save them besides me?). Of course I was generally pleased with what I saw. The time spent by all contributing club members was certainly well spent.

However, I also got the impression that fewer people wrote articles for the newsletter last year than in previous years. That doesn't result in an immediate crisis for the club. It certainly can turn into a worrisome trend if it continues. The newsletter is like all club activities...it depends upon member participation to survive. An editor should be able to sit back and do little writing. He should have the problem of choosing which member's contributions go in this month's issue and which in the next. (I should live so long to have that problem!) Part of the reason why HAMSPLATTER is the success it is, is because of the diversity of inputs it enjoys. Some of its most interesting articles were written by someone besides the editor...and that's exactly how it should be.

If the club thinks that HAMSPLATTER is a worthwhile activity, then the members had best start writing and contributing. An editor doesn't last forever. If the newsletter becomes a one-man operation, what happens to it when that one man leaves? My opinion is that the HAMSPLATTER is one of the major focal points of club activity. It is important to the identity of FWRC. I feel that it is important enough to warrant continuing support from everyone...EVERYONE!

Let's you think that no one reads the HAMSPLATTER, let me tell you who receives complimentary issues each month:

|                   |                            |
|-------------------|----------------------------|
| All IRCC officers | Indiana SEC                |
| ARRL Headquarters | Takaoka Radio Club (Japan) |
| YLRL Editor       | HR Report Editor           |
| Worldradio News   | Alex Mootoo, 3B9DA         |
| Indiana SCM       |                            |

The last two are being sent at their request. Alex, 3B9DA, requested info about our club because of all the FWRC QSL cards he receives from our members. He lives on the island of Mauritius, in the Indian Ocean.

HAMSPLATTER receives wide circulation. Information originating in HAMSPLATTER has appeared in the IRCC bulletin, THE BISON, Worldradio News, ARRL Affiliated Club Bulletin, and QST. The time spent by our contributors is not wasted.

Inputs from club members are needed to keep HAMSPLATTER worth the expense and effort. You needn't aim for a Pulitzer Prize. Aim to interest, entertain, and/or inform your fellow members. What interests you? Ragchewing...traffic nets...OSCAR? RTTY...2 meter DXing? Write about it. Did you have an interesting



experience with your radio? Did you help someone in an emergency? How about your experiences while studying to upgrade...any words of encouragement for others? How about an idea for a new club activity...something to keep the spark of life in the ol' club? How about a technical hint for the newcomers.? Write up your ideas. Chances are, if it interests you, it will interest others in our diverse group.

Don't depend on me to keep HAMSPLATTER interesting and diverse forever. My main interest in ham radio is DXing (besides this rag). You are going to be fed a lot of DX info if you depend on me to do all of the writing.

So how about it? Your contributions will not be tax deductible...they will be appreciated and read by people around the world. I know that there is talent out there...I've seen it. Get off your duff and start writing...I want to see it again!

#### FWRC LOGO CONTEST

More entries have come in for the logo contest and it looks like we'll have a decent logo when all is done. The rules for the contest were set at the last Board meeting. The rules are simple and designed only to provide a little order in the judging process.

- 1) All entries must be received by Ron Koczor, K9TUS, by May 1, 1979. The address to which your entry must be sent is 2512 Glenwood Avenue, Fort Wayne, Indiana, 46805.
- 2) The entries will be judged by the Officers and Directors of FWRC at the May meeting of the Board of Directors.
- 3) Only one winner will be selected. There will be no runners-up.
- 4) Judging will be based upon the appropriateness of the logo to the character and purposes of the club. The ability of the logo to provide instant identification for FWRC will also be considered.
- 5) All entries become the property of FWRC.
- 6) The winner will be announced and the winning logo unveiled at the FWRC May Banquet.

The complete prize will be announced later. Part of the award will be two tickets to the May Banquet. The rest of the prize package will definitely make it worth your while to sit down and come up with an idea.

Remember, your entry need not be fancy. We are looking for ideas...artwork will come later!



"THERE IS NO LIMIT TO WHAT YOU CAN DO - IF YOU DON'T CARE WHO GETS THE CREDIT"

#### FROM HR REPORT

NOVICE USE OF 220-225 MHZ has been proposed by ARRL in a Petition for Rule Making submitted to FCC January 16. In its petition, ARRL suggests that Novices be authorized A1, A2, and F3 privileges across the band, with a maximum power limit of 50 watts. A Novice would not be allowed to set up and operate a repeater but would be allowed to use one.

One obstacle to the League's proposal is to be found in the Commission's comments in one Report and Order on Docket 20282, where they noted they reject the idea of a volunteer administered license class with phone privileges because of previous "bad experiences" (the passing of unqualified applicants by unscrupulous examiners). None-the-less, the League's petition does raise some significant points and is sure to stir interest in the FCC and the amateur community.

FCC LICENSE STATISTICS for the past year show a healthy growth and some interesting trends for the Amateur Service. The amateur population at year's end was 62856 Novices, 68738 Technicians, 118808 Generals, 83436 Advanced, and 22498 Extra Class for a total of 353336. At the end of 1977 the total was 328648. In 1978, the Extra Class showed the highest percentage increase with Generals showing the least.

RADAR DETECTION DEVICES would be banned from Indiana if a bill to be introduced in the State legislature is adopted. Amateur microwave users are concerned that the bill to be introduced by Rep. Donald Lash of Rockville, might be as vague as the state's ban on "police receivers" that had to be modified to exempt Amateur VHF/UHF mobile gear. The bill is being followed closely by the Indiana Radio Club Council (IRCC) and Indianapolis attorney, Malcolm Mallette, WA9BVS. Mallette reports that Lash seems receptive to amending his bill to exempt amateur licensees. For further information, contact Mallette at 317-636-4341.

HAPPY BIRTHDAY TO HR REPORT, 5 years old on January 5!

FCC EXAMINATION QUESTIONS or suggestions should go to Jay Jackson of the Personal Radio Division, at 202-634-6619.

SCOTT LOOKHOLDER, WB6LHB, PLED guilty last month to three counts of using abusive language over the air in Federal District Court, Los Angeles. The charges, which stemmed from his operation as "W6JAM" on Los Angeles repeaters over the past year or so, are misdemeanors with a maximum sentence of a year in jail plus a fine for each offense.

RECONDITIONED TEST EQUIPMENT is again being offered by Tucker Electronics, with over 1200 items listed in its latest catalog. Write Tucker at Box 401060, Garland, Texas, 75040 for a copy.